

SPRAGUE®

THE MARK OF RELIABILITY

JAN.-FEB., 1965

LOG



Ronald Couture (center), of Metallized Papers, Beaver Street, is congratulated by his Foreman, Arthur Molleur (right) upon receipt of his \$1000.00 suggestion award check. Looking on is Alfred Bergeron, General Foreman. Ronald's award resulted from many hours of thought and study on how to improve operation of the machine which he operates.

\$1000 Suggestion Award To R. Couture As 12 Employees Submit Accepted Ideas

Employee suggestions continue to produce improvements in operating procedure throughout the Company and here in North Adams a total of \$1585.00 was awarded to 12 employees for their latest accepted ideas.

The top award, \$1000.00, was given to Ronald Couture, of Metallized Papers, for his new method of centering the paper over the applicator on the lacquer coating machine. The new method reduces the margins of uncoated stock and thus makes a sizeable saving in the amount of paper needed.

Second high award of \$225.00 was made to Donald Jones, a former employee. While working in Tantalum Formation, Donald suggested an improved method of keeping the side shield evenly away from the heating elements in the Sintering operation. With the acceptance of his idea Donald received his check although no longer employed by the Company.

Ralph Lewis, Jr., of Cover Molding, captured third high honors with a total award of \$100.00 for two suggestions. He was given \$65.00 for the idea of using a syringe to paint a red dot on the 72D covers, and the suggestion to weld a bakelite 600D cover to the lead netted a \$35.00 award.

Ernest Johnson, of the Machine Shop, is \$60.00 richer for his accepted idea of an improved method of sealing in the SubMiniature Dry Assembly Department. William Beattie, of Process Engineering, Union Street, was awarded \$45.00 for his suggested improvement of the magnetic shield on

the Ceracircuit general purpose amplifier. His suggestion will be reviewed in six months for a possible additional award.

In the \$25.00 category two awards were made. Kenneth Butler, of Maintenance Test, Union Street, received his check for an idea to provide needed calibration on the Tektronix current probe. In the only award to a female employee,

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Mr. Sprague Forecasts Increased Growth In Non-Military Areas of Electronics Business

Although 1964 showed an overall increase in electronics industry sales, the rate of growth was slowed by a tapering off in shipments of our products to the government market which was offset only in part by higher commercial volume. Industry sales at factory prices totalled \$16.2 billion, compared to \$15.1 billion in 1963, an increase of 7% against 9% in 1963. The best gain was recorded in industrial products, which gained 12% compared to 13% the previous year. Consumer products sales were up 10% against 6% in 1963, while government products increased only 4% compared to 11% the previous year.

Increasing competitive pressures as manufacturers of both systems and circuit components adapted to these shifting patterns in our domestic markets, as well as continued competition from imports, made 1964 a difficult year for many electronics concerns. While there will likely continue to be many problems to be faced in 1965, the general outlook for our industry's sales is good and important technological strides are being made which should contribute to continued growth in our business.

The greatest relative increase in rate of growth in 1964 was in the consumer products segment, which recorded a gain in shipments to some \$2.84 billion against \$2.58 billion in



Robert C. Sprague

1963. The market for television sets increased substantially, reflecting not only the growing importance of color TV, but also a better than anticipated gain in monochrome sets. Factory shipments of color TV sets were in excess of 1,400,000, or nearly double the 747,000 shipped in 1963. Since there was relatively little change in the average value of color sets, dollar sales nearly doubled to \$485 million against \$258 million the previous year. Factory sales of American made monochrome TV apparently exceeded 7.9 million sets, compared to 7.0 million in 1963; dollar volume amounted to some \$835 million. Thus, total TV sales were about \$1.3 billion compared to \$1.1 billion in 1963.

In radio, approximately 19 million domestically produced sets were sold, against 18.4 million the year before. Home radio sets which had been expected by many to decline from the 1963 level, wound up with a modest increase to about 10.7 million, against 10.4 million in 1963. Automobile radio sales totalled about 8.3 million compared to 7.9 million, and would have shown a larger gain had it not been for a two-month strike in the plants of the largest user. Sales of phonographs and radio-phonograph combinations were probably about even in units and dollars.

Foreign imports continue to be a serious problem for the makers of home entertainment products, but a recent analysis made by the Electronic Industries Association indicated that direct imports of radios and radio-phonographs accounted for slightly less than 50% of the total U. S. Market in 1964, compared to 53% in 1963. In television, the percent-

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Dr. Sprague's Article To Be Immortalized

Dr. John L. Sprague, Senior Vice President - Engineering, will have an article entitled, "Integrated Circuits", which was published in the April 1964 issue of International Science and Technology, immortalized when it will be buried, along with other selected material, in the Westinghouse Time Capsule at the site of the New York World's Fair.

A total of 23 articles were selected from this journal by the University of Pittsburgh Knowledge Availability Center for inclusion in the Time Capsule. They will be buried at the World's Fair site next year and are supposed to be undisturbed for 5,000 years.

In Dr. Sprague's article he noted that development of integrated circuitry, microelectronics and molecular circuitry had been much faster than anyone anticipated although research and development had been going on in this field for nearly twenty years.

The first benefit sought was small size. During World War II the National Bureau of Standards introduced the idea of depositing conductive and resistive inks on ceramic substrates, a concept which was to be the forerunner of printed circuits, and, later, the more sophisticated ceramic-based microcircuits.

Work on thin-film microcircuitry has developed rapidly since the early 1950's. On the other hand, attempts at the other major approach - introduction of a circuit into a piece of semiconductor - did not begin in earnest until after the middle 1950's. Again, small size was the desired result.

In his article Dr. Sprague discussed new techniques in detail, but in conclusion noted that "there are many things which cannot be done as well or at all by integrated circuitry" and for this reason the discrete component manufacturer will "be around for a long time." (Continued on page 3, col. 3)



The Use And Abuse of Alcohol

by Dr. William G. Heeks,
Corporate Medical Director

It has been said that in the United States, 10 percent of the population is alcohol dependent and 5 percent is alcoholic. Some 70 million Americans drink, the great majority of them for purposes of sociability, relaxation and pleasure. Moderation, common sense, and a respect for both self and others determine when and how they drink. The person who can stop at one or two drinks is not an alcoholic even if he or she occasionally drinks to excess. The occasional social drinker is no problem per se, but some of the regular social drinkers are headed for trouble. They reach a point of being alcohol dependent.

An alcohol dependent person develops a characteristic way of life. He cannot have a good time without alcohol; it is a must in his social life. Alcohol becomes a habit in his business entertainment; he looks forward to a few drinks immediately after work; he drinks "on signal"; meals, fatigue, party, sex, boredom or bedtime. Terhune states that the "four horsemen" of the daily grind are anxiety, discouragement, frustration and fatigue. Alcohol dependency results when one employs alcohol daily in an effort to overcome these complaints.

What is an alcoholic? He or she is one of an estimated 4½ million Americans whose drinking interferes with their daily lives. They have lost the freedom of choice in determining when they will drink and how or how much they will drink.

The majority are not "skid-row" types. They are not found in the Monday morning court line-up, or wandering dazed and shocked thru back streets, or discovered in the emergency ward of the City Hospital. Over 85 percent of them, on the surface, lead normal lives, have homes and families, are employable and usually working.

Alcoholics do not represent any single group in our population. They are professional people, government officials, tradesmen, executives, skilled craftsmen and workers. Like all disease, alcoholism cuts across all lives, reaches all segments of society.

Dr. Rex Wilson offers a test you can take to see if you are an alcoholic. Every six months quit drinking for one week. If you can do this without having withdrawal symptoms and with no obsessive desire to return to drinking, then you are not an alcoholic. You should not feel that you are making a great sacrifice and you should not keep putting off the time to start the test. If you do, you are probably on the verge of becoming an alcoholic.

Editorial . . .

A Growing Company

Sprague Electric is a growing company! The newspapers and this issue of the LOG both have stories about our plans for a large, new plant to be constructed in Worcester, Massachusetts in the near future. This is a fine thing, both for the Company and for all of its employees.

It is a fact of life that nothing in this world stands still. All things, individual or corporate, must advance or decline. This is particularly true in the electronics industry, one of the fastest changing businesses in our whole economy. Where would our Company be today if our only products were those which we manufactured 25 years ago? The answer is simple: the Company would be out of business, for at the very best would be employing only a handful of people.

Why is it then that some people are concerned when our Company announces plans for a new product to be manufactured in a new plant? Why are they inclined to feel that it will somehow adversely affect their job security?

The facts have not born out these feelings. In 1948 when we opened our first subsidiary operation, employment in North Adams was under 2,000. Since that time we have opened several other operations outside North Adams and our local employment has increased to around 3,500, a figure which is now remaining reasonably constant.

North Adams is our Company headquarters, the hub of all operations. It is here that our highly skilled people have developed and refined many products which have been moved to other operations so that we might better continue to concentrate on future new developments. Local people may well be proud of their contributions to Sprague Electric.

When we hear or read about other companies planning expansions, we feel this is good. The XYZ Company is growing and progressive, we say! This is true. The same reasoning applies to our own Company. As we expand and grow our jobs become more secure because we are operating on a broader base. Who would want to be assured that nothing will change, that things will always be just as they are today? With confidence in the Company which employs us, we can face the future with anticipation. Things will change - certainly they will, and we will contribute to that change as we learn and develop new and better ways of manufacturing our products.

We do not want to go back to the days when the Tone Control, our first product, helped make radio reception better.

100 Sprague Secretaries Attend Open House Program At Telephone Company

About 100 Sprague Electric secretaries participated in a recent Open House at the local Telephone Company. Small groups were conducted through the building for a behind-the-scenes picture of telephone operations. The girls had an opportunity to watch the operators in action and also to view the volume of equipment necessary to provide today's telephone service.

In addition to the tour a film was shown depicting good telephone usage

in a business office. While often-times humorous, the film showed clearly how business could be lost and prospective customers annoyed because of poor telephone habits.

Local Telephone Company executives were on hand to answer any questions and to explain new equipment which will no doubt be common office fixtures in the not too distant future.

Following the tour and film, refreshments were served.



Sprague telephone operators joined secretaries in watching operations at the Telephone Open House.



Banks of equipment and their functions were explained to the groups on tour.

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Mr. Ceely Named To Advisory Council

Arthur G. Ceely, Assistant to the President, was recently appointed a member of the Defense Industry Advisory Council, according to an announcement made by Cyrus Vance, Deputy Secretary of Defense.

The Defense Industry Advisory Council is made up of Defense Department personnel and industry representatives. The mission of the Council is to advise the Department of Defense on procurement policy, and to consult with the Department prior to the issuance of Government procurement regulations.

Mr. Ceely's immediate assignment is to serve as a member of a Working Group headed by Richard W. Webb, Director of Small Business Policy, in the office of the Assistant Secretary of Defense.

The principal problem which the Working Group will consider is the protests made by small and medium sized firms relating to technical data and patent problems in Defense contracts. Most criticism has arisen over inequities to small and medium companies because of the Defense Department's policy of securing optimum competition.

The Group may ask businessmen and members of military departments to appear at their meetings to secure a full understanding of the case.

Serving with Mr. Ceely in the Working Group will be: Frank Dobbins, The Boeing Company, Seattle, Washington; D. J. Youngerman, Sylvania Products, Inc., Waltham, Massachusetts; Norman Noling, Woodward Governor Company, Rockford, Illinois; A. L. Bain, General Precision Equipment Corporation, Tarrytown, New York; G. H. Van Oosterdorp, Trak Electronics Company, Wilton, Connecticut; Bruno O. Weinschel, Weinschel Engineering Company, Gaithersburg, Maryland; and Charles Hastings, Hastings-Raydiss, Inc., Hampton, Virginia.

Mr. Ceely received his B.S. in industrial management in 1924 from the University of Pennsylvania, Wharton School, where he was also elected to the national honor society, Beta Gamma Sigma. From 1924 to 1930 he served as an industrial management consultant in Ohio, Connecticut and Massachusetts. In 1930 he was named comptroller of the Plastics Division of the Monsanto Chemical Company.

In 1939 Mr. Ceely left Monsanto to join Sprague Electric.

New Facility To Be Opened In Worcester For Microelectronic Circuit Production

The Sprague Electric Company recently announced plans for construction of a new major manufacturing plant in Worcester, Massachusetts.

The new Sprague plant will be primarily devoted to development and manufacture of microelectronic circuits. It is estimated the new facility may eventually contain about 250,000 square feet of factory space and employ more than 3,000 persons.

Pending start of construction on the first section of the plant next spring, the new facility will be housed in temporary rented facilities in the H.E. Shaw building on Belmont Street in Worcester. Use of the temporary quarters will provide for training a nucleus of employees.

Approximately forty acres of land have been optioned for purchase from the City of Worcester for the permanent plant site, pending rezoning. The site is located off East Mountain Street in the northeastern section of the city, near the projected extension of the city expressway system.

The new facility will be about 95 miles from North Adams and about 90 miles by interstate highways from the Semiconductor Division Plant in Concord, New Hampshire. Closeness to these key Company operations

will provide ready liaison between the new Worcester facility and our Research Center and Engineering Laboratories in North Adams, as well as with Semiconductor Division management and engineering.

The Worcester Plant will enable Sprague Electric to capitalize on its extensive competence in the new and promising field of microelectronics. Large-scale production of silicon and ceramic-based microcircuits is planned for Worcester, as is manufacture of other new semiconductor products to be announced later this year.

Marketing projections made by the Company indicate a dramatic increase in sale of microelectronic circuits over the next decade, as well as requirements for three to four thousand new employees company-wide by 1973.

An extensive plant site search for this new facility was conducted by Sprague Electric personnel. A number of potentially attractive areas were examined first-hand in the Northeast, Midwest and Midwest prior to the final selection of Worcester. Primary criteria in the plant survey included nearness to strong educational facilities, with emphasis on leadership in the solid-state field, and to key Company operations; size and mix of labor market; and community-area living and recreational attractions.

It is believed the Worcester area meets the key criteria better than any other area surveyed. In Worcester are Clark Institute, Worcester Polytechnic Institute, College of the Holy Cross and Assumption College. In addition, Worcester is near Massachusetts Institute of Technology, Harvard and other internationally-recognized educational and research institutions in the Boston-Cambridge area, all within an hour's drive of the new plant site.

The Worcester Area Chamber of Commerce played a prominent role in interesting Sprague Electric in the city, as did city government and business leaders.

The Company plans an orderly expansion of facilities at the new Worcester site over the next several years. The first segment of the Plant is targeted for operation by next fall in 80,000 to 100,000 square feet of space. Provision has been made for ready expansion on the site to a quarter million square feet as soon as required.

Dr. John Sprague

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While there has been much discussion about systems manufacturers building their own microcircuits, Dr. Sprague feels "the most logical arrangement will prove to be the classical relationship between component supplier and systems manufacturers." However, his concluding statement made one point clear, "Ultimately, those who remain will be those who do the best job, be they component manufacturers, integrated circuit specialists, or systems manufacturers."

R. C. Sprague, Jr. To Serve As Consultant To Puerto Rican EDA



Robert C. Sprague, Jr., Senior Vice President, Corporate Relations has been appointed a Special Honorary Consultant to the Economic Development Administration of the Commonwealth of Puerto Rico, according to a recent announcement made by Ivan E. Irizarry, District Manager of the EDA.

The voluntary group is composed of United States executives whose companies have subsidiary operations in Puerto Rico. Members are designated on an area basis and Mr. Sprague, Jr. will be concerned with promotional activities in the New England states.

Companies interested in establishing business operations in Puerto Rico are urged to contact a consultant of the Economic Development Administration in the United States who will be able to answer your inquiries as to business conditions, opportunities, and general business climate.

W. Hook Promoted At Union Street



Announcement of the promotion of William N. Hook to the position of Night Shift Foreman at Union Street was made recently by Robert D. Smith, Factory Manager. Prior to his promotion Mr. Hook was a Group Leader in Shift Register Assembly.

A native of Pittsfield, Massachusetts he attended local schools and the Keegan Technical Institute, Memphis, Tennessee. Following graduation he was employed by Camp Electric Company, Allied Radio & TV and Ace Appliance Company, all in Memphis.

Mr. Hook served in the U. S. Army for three years and is also an amateur radio licensed operator.

His wife is the former Neva Akins of Parkin, Arkansas and they have one son.

Francis McCarthy New Corp. Mgr. Protection Safety and Security



Announcement of the promotion of Francis J. McCarthy to the position of Corporate Manager of Protection, Safety and Security was made recently by John D. Washburn, Corporate Director of Personnel. Mr. McCarthy has assumed the duties formerly held by John F. Flaherty who retired on December 31. Henry G. Goetsch, Corporate Facility Security Officer, and Anthony N. Sacco, Corporate Safety Supervisor, will report to Mr. McCarthy as will the Watchmen.

A former Detective Sergeant in the Massachusetts State Police, Mr. McCarthy joined Sprague Electric in June 1962 after completing 20 years of service with the State Police. As a Section Head in Protection, Safety, and Security he served as Mr. Flaherty's assistant.

A native of Holyoke, Massachusetts Mr. McCarthy graduated from Holy Rosary High School in that city and

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◆ PICTURE HIGHLIGHTS ◆



Mary Markulin, Secretarial Consultant, conducted another of her well-known seminars for Sprague secretaries recently. Participants were urged to bring problems to be discussed by the group. Shown with Miss Markulin (3rd left) are: Madeline Roy, of Filters; Barbara LaBonte, of Test Equipment; Shirley Alibozek, of Corporate Industrial Relations; Claire Langner, of Industrial Relations; and Alice Maruco, of Corporate Industrial Relations.



Employees of the Research Center followed their custom of the past several years and donated the money which might have been spent on Christmas cards for their associates to the Northern Berkshire County Association for Retarded Children, Inc. Shown above (left) Dr. John L. Sprague presents the check for \$200.00 to Donald Blanchette, President of the Retarded Children's group. Looking on is Marjorie Cutler who has worked on the collection since its inception.



Members of the Management Club tackled the problem of toy wrapping on a production line basis, as the gifts for the Santa Fund were assembled in the Marshall Street Cafeteria. After a couple of hours of strenuous activity the piles of toys were ready to be collected in packages for family groups.

Shown in the insert with their 'Mascot', a donated toy, are: John Pennock and Christian de Marcken (left & 2nd right), co-chairmen of the drive; Ernest Purpura (2nd left) chairman of the wrapping committee; and James Oldham, Management Club president.

Mr. Sprague's Forecast

Continued from page 1

age also dropped, from 3.1% to about 2.5% of the market. This is an encouraging sign that consumers are becoming aware of the greater value offered by American made products, and I believe we can look for continued improvement providing the current international tariff discussions do not result in unsound concessions on the part of the United States.

The outlook for consumer electronics sales in 1965 is good, and I look for total sales to be approximately \$3.1 billion. Barring a business slowdown of major proportions, I would look for a good increase in color TV to perhaps 2.2 million sets, and for monochrome sets to decline modestly.

Percentage-wise, the best gain in 1964 was recorded by the industrial electronics market, which rose 12% to \$3.43 billion from \$3.06 billion in 1963, based on new and more complete data recently made available by EIA. Historically, computers and data-processing equipment have been the most rapidly growing segment of the industrial market but this was not the case in 1964 as the growth rate in the computer market will remain subnormal for perhaps a year or so as the new and more powerful systems recently introduced begin to be delivered in quantity. 1964 sales of data-processing equipment were about \$1.4 billion, and may increase modestly in 1965.

Pacing the growth in industrial electronics in 1964 was the broad category of medical, scientific, educational and other industrial equipment of various types, totalling \$365 million compared to \$314 million in 1963. Also showing an above average gain was the very large market for communications, broadcasting, commercial sound and navigational equipment. This is now a \$1 billion business of which about half represents commercial communications gear, demand for which has doubled since 1960.

Prospects for virtually all segments of the industrial electronics market in 1965 are good, and I look for total shipments to this market to reach some \$3.8 billion or 10% above 1964.

This has been a confusing year for the supplier of military electronics systems and components, a period in which effective planning has been all but impossible due to the many and often sudden changes that have taken place in various defense programs. Total electronic shipments to the Government market in 1964 approximated \$9.3 billion, against \$8.9 billion in 1963 but virtually all of this gain was in the non-military space programs, with defense procurement of electronic systems and services increasing only very slightly, from \$7.7 billion to \$7.9 billion. In the fiscal year ended last June, total procurement spending by the Department of Defense declined to \$15.3 billion from \$16.6 billion in fiscal 1963, and despite a slight gain in the percentage of electronics to total procurement, our industry's share of DOD procurement declined from \$4.7 billion to \$4.4 billion. A further drop to \$4.3

billion is in prospect for the current fiscal year.

The space programs of NASA took some \$1.3 billion of electronics goods and services in 1964 out of a total space budget of \$4.2 billion, and by 1970 should be approaching \$2 billion out of a total \$6.5 billion space budget. Thus, I think it is increasingly clear that the electronics industry will have to accommodate, after a decade of constantly growing military expenditures, to a greatly reduced rate of growth in military spending.

For the manufacturer of circuit components, 1964 was generally characterized by continuing slow shipment to the military market, particularly in the early months of the year. As the year progressed, the rate of incoming orders for military circuits began to rise but delivery schedules have been extended on many orders, so that shipments have not yet caught up and backlogs have increased. Overall, total components sales for the year were only slightly ahead of 1963's \$3.7 billion rate, with most of the gain occurring in integral circuitry. Shipments of integral circuit packages of all types were about \$225 million, compared to \$155 million in 1963. Sales of such complex components as filters, networks, and functional assemblies were about \$175 million, compared to \$144 million in 1963; shipments of integrated microelectronic circuits, both semi-conductor and thin-film, more than doubled to \$50 million from \$24 million the previous year.

The dollar figures do not, however, indicate the rapid rate at which integrated circuit production is increasing, because the average price of such circuits has declined by about one-half in the last year as a result of greatly improved knowledge of process technology and better production yields. Furthermore, new technologies such as field-effect and metal-base semiconductors and MOS circuits are continually broadening the capabilities of integrated circuitry as presently conceived. And even more sophisticated approaches to the synthesis of circuit functions are under investigation, and promise to extend the range of application of micro-electronic circuits and components to virtually all types of electronic equipment.

In 1965, components sales should pass the \$4 billion mark, with micro-electronic circuit volume increased by about one-third to \$300 million. Total integral circuit package sales will be about \$430 million in 1965; by 1973 our projections indicate a tripling in this business to \$1.2 billion a year.

Altogether, I look for total electronics industry sales to increase by about 6% in 1965, to a little more than \$17 billion. Beyond 1965, I believe our industry can continue to maintain a growth rate on the order of 5-6% per year, but this growth will have to come largely from industrial, consumer, and non-military Government business. Fortunately, the evidence points to the expansion of all of these markets, some parts of which will make dramatic contributions to the growth of electronic equipment and circuit sales over the next decade.

DEPARTMENTAL NEWS

BUSY BEAVER *News*

REPORTERS . . .

Marion Andrews, Dorothy Baker, Betty Bogusz, Cliff Domenichini, Walt Gould, Shirley Harris, Evelyn Luczynski, Jessie Meczywor, Joseph Pilling, Assunta Pollone, Doris Richards, Mary Roberts, Pearl Sharpley, Nabeho Skorupski and Veronica Soban.

Bathtub Assembly

by Jessie Meczywor

Hello Everybody... It is nice to be back reporting for this room again after a long leave... We'd like to welcome back Laura Skowron and Florence Lincoln after a short stay on Marshall Street... Also Georginae Mongeau, a newcomer in our midst... It is goodbye though to Johnny Koscinski who left us to better himself in a new position at Dewey & Almy in Adams. Hope they appreciate you as much as we did here.

Lucille Beaudry is vacationing early this year just resting and taking things easy at home... We have a couple of fashion models among us. They keep us informed on what is new in the hosiery department. Our cute models are none other than Vivian Dale and Laura Skowron. You should see them parading around in their "Diamond Lil" stockings.

FILM PRODUCTS

by Veronica Soban

Our Christmas Party was held at Taconic Park Restaurant on December 16. Bill Lauth and Jim Chouinard played Santa and distributed gifts. After dinner, dancing was enjoyed until 11:00 p.m. Mary Mondia is trying to figure out a very mysterious Christmas card she received from an anonymous sender... A sincere "Thanks" to Mrs. Gifford, our former co-worker now retired, Mrs. Emaline Lescarbeau, and Mrs. Mary Lepera president of St. Petersburg, who sent us holiday greetings. Mrs. Lepera writes she looks forward to each edition of the Sprague Log.

Jeannette Beebe bagged a deer in December, so look for the picture that proves it. We'll try not to ever get in your way Jeannette... Mary Bishop and Marge Barry are on their favorite subject again, skiing. We wish you a good season, girls... Mary Bishop is quite a celebrity since she was a guest on the "Sprague LOG of the Air"... Jim Chouinard started the New Year right by taking his 1964 vacation during the first week in 1965. Knowing he moved recently from one part of the city to another, we are sure he needed the rest.

We have one new bride since the last report. Marceline Poirot became Mrs. Edward J. Rooney November 25 at the Notre Dame Church in North Adams. Lots of luck, Marcy.

CHECK INSPECTION

by Walt Gould

This is really my swan song as I have slightly over a month to go. I am glad to be retiring but will miss the guys and the gals. To my successor I leave and bequeath the following:

Helen Bryce. The matron of the State Line House, also known as the Queen Mother. The big calamity for Helen would be to lose her knitting needles and yarn. She hopes her son Billy won't take up college football.

Phyllis "P. P." Parker. The girl who loves good food, knows how to prepare it and is fortunate enough to be able to eat it without putting on any weight. She may not be the best card player in the world but she certainly is the luckiest. She is a real heroine to her nephew Richard.

Ceil Mikuszewski. The perennial diet girl is on yogurt at the moment and if that doesn't work nothing will. Her problems at this time are to have her daughter Marcia enrolled in the college of her choice and talk her son Andy into attaining better grades at school.

Pat Roy is our new addition to Check Inspection. We have all known Pat for a long time; consequently, she is no stranger. Her infectious laughter and good nature will do a lot for the group.

Marilyn "Monroe" Daub. She has a yen for slow cars and slower alarm clocks. She loves sweaters and when better sweaters are made, she will model them. She is a very good pastry cook in her own right as I have found out to my advantage on several birthdays and Christmases.

Adella Gauron will soon be preparing the hot bed for another busy gardening season. She will probably be forced to discontinue her trips to Boardman's after the garden starts. Her pet project these days is to have her son Stach properly enrolled in the college of his choice.

George Maxwell. The Stamford Deputy is in the hospital at the present time. He has joined that not too exclusive society "The Ulcer Group." I think that something should be done about getting George a phone or a walkie-talkie. When I talked this over with him he stated that he has a walkie-talkie. In fact, he claims that he married one.

Clarence Rhodes is at present saving his money for the reopening of Green Mountain Park. I presume he will wager a buck or two on the bangtails. I have been patiently waiting to hear that he had succumbed to the charms of some Vermont lass. But nothing has transpired.

Dick Maynard, was recently married and from all reports it did him a lot of good. I presume that he is making plans for getting that boat out for a real summer of enjoyment.

Alice Senecal will be doing the paper work that I formerly did. I hope she doesn't uncover too many mistakes that I might have made. She will be very busy otherwise, as her husband

George is in the hospital and it's right in the midst of the seed catalog season. If it's flowers you want, just see Alice.

Bea Pierce will probably be in Florida or at least on her way when this issue goes to press. Of course she will be thinking about a summer of golf, and our hope is that she keeps out of the poison ivy this year.

Harold "Jeff" Weyers will take over my job. Hope he enjoys it as much as I have. With the group we have it shouldn't be too bad. If he takes my place at the card table I wish him luck!

Henry "Hank" Testa, our Foreman and a very good one. By the way, I can say that now without being called "Brownie." Hank has dog trouble at the present time. His pet will soon learn that cars, like women, are fun to chase, but those sudden unexpected meetings can be devastating.

In conclusion all that I can say is that I may have rubbed some people the wrong way for which I am sorry, and then on the other hand—well, it was fun. Adios!

HIGH RELIABILITY

by Marion Andrews

Now that the holidays are over, we are beginning a new year of reporting. I hope I may continue to cover the news and happenings in our department. Once again, this cannot be done alone but with the help of my co-workers who, in the past have been so helpful to me.

Peg Decoteau's son David was home for the holidays. David is a sophomore at St. Anselm's College in New Hampshire... Mabel Bishop's son, Clifton L. Pause, Jr., 3rd Class Petty Officer, stationed at Norfolk, Virginia, was also home for the holidays... Some of the girls who have been in the hospital recently were Chris Pugliese, Julia Alfred and Elsie Andrews... Alice Carpenter, Pearl Chilson, Hazel Lilly, Marion Wabnig and Gladys Kilbride have recently taken vacations.

Congratulations on recent wedding anniversaries go to Marion Andrews (27 years), Eva Jowett (31 years), Bill Hattat (36 years), Alice Carpenter (30 years), Edward Konopka (13 years), Eleanor Rennell (19 years) and Aline Giroux (25 years). I hope I have the right number of years, folks... By the time the LOG goes to press, Florence Carsno will be settled in her new home on Rich Street. (Luckly girl!)

Talked recently to Marie Dean who retired, and she sure is enjoying her retirement. She wanted to be remembered to everyone... Florence Gosselin sure had a hard time trying to change a dollar bill one day in the shop, and Angie Downs was having as hard a time trying to help her... Yours Truly's husband Bill Andrews is enjoying his new position as Assistant Director of American Baptist Men at Valley Forge, Pennsylvania.

Once again, I think we should congratulate our city for our Christmas

decorations and lights. Praises were heard from many people in communities and cities around us... Also congratulations to the Management Club and those who helped in any way in the Santa Fund. A job well done.

Our hearts and prayers go out at this time to Mary Gleba, whose son lost his life in an automobile accident. We know, Mary, that God will make these shadowed hours less hard for you to bear... Josephine Lamarre's son, Pvt. Ernest A. Lamarre, left for Camp LeJeune, North Carolina, after being home for the holidays.

METAL CLAD

by Assunta Pollone

Fred Suthers was given a royal send off at his retirement party. Clyde MacDonald served as master of ceremonies and Edward LaBonte presented him with a wallet and check in behalf of the Department... Fred was deeply moved but he responded fittingly... Alice Lavariere, Alice Contois and Viola Miller were in charge of arrangements... Come see us sometime Fred, we have scissors that need sharpening... Fred was replaced by Percy Bordwin... We hope Percy will like working with us. He's a very quiet man.

Helen Lefebvre and her husband Edward recently celebrated their 25th wedding anniversary with a lovely party. She also was pleased to receive a card of congratulations from our Congressman Silvio O. Conte... Al and Lucille Gross and Rachael Montagna are sporting brand new cars... Glad to see Clara Wilk back looking and feeling so well after her operation... Bernadette Vachereau is also back after being out on sick leave... Stay well girls... Quite a few of us had December vacations including the following: our Foreman Chuck Mulcahy, Edith Noel, Sue Pollone, Maria Zelazik, Rachael Montagna, Janina Dymek, Mary Cozzaglio and Alyce French... Believe it or not our 1965 vacations have started; Julie Tash took two of her weeks to be with her mother who has had surgery... Her mother formerly worked here with us... A speedy recovery Nellie. Lillian Gainer has also taken two of her weeks.

Some very nice Christmas gifts were received by some of the girls, Viola Miller has a family charm bracelet and Jennie Burdick has a family ring.

Agnes Fic and Eileen Tisdale are glad to be back with us after being on Marshall Street for a few weeks... It's always nice to see the girls come back. As this is being written Alice Lavariere is waiting patiently to become a grandmother... She will sit it out with her grandchildren and son while her daughter-in-law is in the hospital... Don't spoil them Alice.

High Reliability Test & Ship

by Evelyn Luczynski

The holidays are now over and the New Year starts with it many

SPRAGUE *Family Album*



These two lovely little girls are Kimberly (left) and Kellie'An Gassett, granddaughters of Frank Gassett, Centrifuge. Their mother is the former Olga Vivori. They are the nieces of Ann Tremblay, Shipping, and Bruna Vivori, Sales Office.



This handsome young man is George Klucky, Jr., grandson of Theresa Vono of Miscellaneous Papers. His father was formerly employed here.



Young Croix Paquin is the 2½ year old grandson of Teresa Gonyea of High Reliability Filters, and Jim Gonyea of Ceramics.



Ricky and Tammy Jean Daniels are the attractive children of Richard Daniels of Union Street Stockroom. Their grandmother is Harriet Hyndman.



A loving brother and sister are lovely children of Donald Hatin of Test Equipment. They are: Donald, 4, and Diana, 1.



Doris Richards, of Miscellaneous Papers, enjoyed the Holidays with six of her stepgrandchildren.



John, Tammy, and William Lussier, children of Gene Lussier posed on Christmas morning. Their grandmother is Leah Gamache.



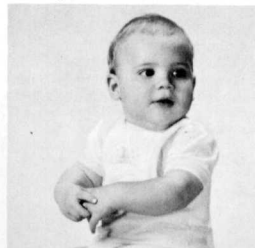
Barbara Ann Michaels, daughter of Albina Michaels of High Reliability, will graduate from St. Joseph's High School in June and has been accepted at State College.



Pvt. Ernest A. Lamarre, son of Josephine Lamarre of High Reliability, is presently stationed at Camp LeJeune, North Carolina. He enlisted in the Marine Corps last August.



Dot Koscielniak, of High Reliability Filters, is mighty proud of this handsome young man. He is her grandson, Timmy Christman.



Very interested in what is going on is little Tony Allison, son of Pat Allison, of High Reliability Filters.



Greeting us from New Mexico is young Ken Desrosiers, grandson of Julia Desrosiers of Filter Small Orders.



GUESS WHO? This barefoot youngster is now a popular Union Street employee.



Lucille Palmer, Union Street, was surrounded on Christmas day. Three of the children are her's; the other two are her sister's.



Raymond Maynard, pipefitter, and his children, Shawn and Michele, posed for a family picture on Christmas day.

SPRAGUE *Family Album*



Charles Kelley, of the Machine Shop, would like us to meet his two children, Lisa (left) and Patrick.



Diana Desrosiers, of Roswell, New Mexico, is the pretty granddaughter of Julia Desrosiers, Filters.



Debby Jane and Stevie Clark are the grandchildren of Shirley Noring of High Reliability Filters.



Santa's little helper, Steven Eric O'Neill, is the son of Walter and Helen O'Neill, both of Dry Rolling, Marshall Street.



Happily enjoying his Christmas toys is David LePak, grandson of Mildred LePak, of Union Street.



Kristin Gallup is fondly embraced by her twin brothers, Craig and Mark. They are the grandchildren of Corinne and Chet Gallup, and Mabel and Bucky Williams.



GUESS WHO? They tell me he is now called 'the Rebel from Kentucky!'



All excited over her first birthday cake is little Laurie Lemieux, granddaughter of Opal Norcross of Dry Rolling.



Looking like a pretty doll under the Christmas tree is Karen Giroux, granddaughter of Aline Giroux of High Reliability.



Michael Arthur and Debra Lynn Richards are two more of the step-grandchildren of Doris Richards, of Miscellaneous Papers.



These lovely twins, Jan and Jill Mahar, are the daughters of Ray Mahar, Jr., of Filter Division. Their grandparents are Ray and Mary Mahar and Dick Trottier.



Jeannette Beebe has a picture to prove it. She bagged this fine 3-point, 120-pound buck on November 14. Jeannette works in Film Products.



Agnes Fitzgerald loves to travel to New Hampshire to visit these four lovely grandchildren. They are Kimberley, 5, Patrick, 3, Kevin, 2, and Christopher, 1.

changes in our small department... There have been several parties, all of which were lots of fun... Helen O'Donnell was surprised one evening recently when we all walked in on her at her home and she found that the party was for her... Right at present she is on maternity leave and we hope that she will soon be back with us.

We welcome Jane Pellerin and Marion Wabnig to our department... Hope you like working with us girls!... At this time we are wishing Walt "Diamond Jim" Gould the very best of luck on his coming retirement... It has been a pleasure to have you working with us, Walt and we will miss you... We understand that your plans include a trip to Florida and some fishing. We know that you'll enjoy a much deserved rest... Please drop us a card once in a while. We would like to hear from you.

Valerie "Boots" Piantoni has been waiting for a big snowstorm so she can get some wear out of her new knee high galoshes. When it comes Wal we are going to elect you to plow a path to the parking lot for us on Thursdays.

Betty Chevalier is still out on leave because of illness... Hope you can return to our midst soon Betty... Out very deepest sympathy to Mary Gleba for the recent loss of her son.

SPRAY ROOM

by Mary Robert

Congratulations to Chuck Mattimore on the birth of his daughter on December 29th... Also welcome to Gladys Jennings and Betty Demers. Hope you are here longer than the last five... Carolyn Moser and Toni spent their vacation at home Christmas week... Betty Ferris enjoyed having her redheaded granddaughter up from Virginia to spend Thanksgiving and Christmas. She sure is proud of her... How are you doing Ceil? Are Bill and Horace still teasing you for a cookie? We hope by this time Rose Lampiasi is waking up.

We hope Fran Miles husband is on the road to recovery... Elizabeth Jones had better stop those big dinners... Happy birthday to Rose on January 21st... We don't hear much from Doris Roberts, our quiet one... Poor Ruth Kelly. She's always being kidded that they're throwing her out. I don't think so Ruth. If half of us had your spirit we'd all be a lot better.

PAPER ROLLING

by Nabbie Skorupski and Pearl Sharples

Hello there, we're back again with a little news. I guess we all enjoyed the wonderful holidays and now are accepting the New Year. We wish good luck and health to all... We have two new proud grandmothers - Mary Valazza, who has a grandson, and Josephine Foiley who has a granddaughter. Well girls, I guess now you'll enjoy shopping for the new babies... Dick Martin is a proud father of a son... Emma Gagnon is spending her holidays in Florida visiting her daughter and family.

What an embarrassing moment Cecilia Koziak had, coming to work wearing different shoe boots. At least Cecilia, you have two pairs while others only have one... It was good to welcome the girls back after the layoff, also the new girls who have joined us. We do hope you like working with us.

MISC. PAPERS

by Doris Richards

Well here we are at the beginning of another year. I, personally, hope it will be a far better one than 1964 I had surgery and was hospitalized again recently both here and in Boston. I hope everyone had as nice a Christmas and New Year as I did, sharing meals and friendly visits with all the family and friends... Adele Solari's Shetland Collie went to his first Christmas party at the Dog Obedience School in Williamstown... Doris Richard's toy poodle "Pierre" strolled around the streets looking like a Christmas tree with his green sweater, red bow and bells. Santa left both Pierre and Laddie Bruce a stocking on the tree for Christmas... Speaking of dogs, Edna Cwierniewicz's son Billy owns a hound named "Skunk" and Edna's making a sissy out of him.

Agnes Fitzgerald spent four days in New Hampshire over the holidays. By the way, Agnes gave her grandchildren all English gifts this year, brought back from her overseas trip... Those on vacation recently were Ruth Arrighini, Helen Harrington, Ann Malloy and Yvonne Day - enjoying the holidays at home... Amelia Dean went to Brunswick, Georgia to spend two weeks with her nephew... Agnes Fitzgerald has just returned to this department from Marshall Street where she worked for a short time... Yours truly just returned from being laid off.

It was my pleasure to have as dinner guests at Christmas my youngest (step) son Richard and his wife and two children. They, as well as the rest of the family, were home to see me over the holidays and Santa was real good to all of us.

Our next Log will be the National issue, so I will say a Happy Birthday at this time to Agnes Fitzgerald, Edna Cwierniewicz and Rose Bombardier, all of whom will be a year older by the time our next Log comes. We would also wish a speedy recovery to Agnes Fitzgerald's little grandson who is walking on crutches.

PLATING

by Joe Pilling

Mike Becher is counting the days until his retirement. Things will be quiet around here when he's gone. We all wish him all the luck in the world. He will have a lot of time for hunting and fishing... Ralph Lewis has tough luck with his new cars. Everytime he gets a new car, someone hits it... Walt Martin is looking forward to the spring and horseshoe time again. Cheer up, Walt, it's only a few months... Most of the fellows in here are looking forward

to vacation time this year and an extra week for the first time... We are all glad to see Frank Mroz back with us. Here's hoping that he is here permanently this time.

The holidays are all finished, and we'll all settle down to work until Washington's Birthday... We are awaiting the baseball season. This year the Yankees will get beat and the Red Sox will finish up in the first division. Well, that's enough day-dreaming for now!



REPORTERS . . .

Lillian Babcock, Martha Clark, Florence Clough, Dolores Davis, Irene Drobniak, Alice Dupuis, Ann Heath, Evelyn Jones, Ace Samia, Frank Santelli, Adeline Segola and Erminio Sweeney.

FABMICA & MICA

by Irene M. Drobniak

Jennie Kolodziej, Dot Golonka, Gladys Sullivan and Ray Dickinson have been transferred to different departments. Hope you come back soon... Mabel Theriault had her niece's children from Pompana Beach, Florida, for their Christmas vacation. They were disappointed because they expected to see some snow which we didn't have... We wish a speedy recovery to Julia Sullivan's husband, also to Anita Crescimbeni's mother who both have been ill.

Mabel Theriault has just returned from her vacation, feeling very peppy... Theresa Estes will be celebrating her 18th wedding anniversary on February 18. Congratulations... Dave Chietini will be sporting a new Buick next month... Who was the girl who was hanging clothes at night in a tree? We wonder if it was a bag of fire chasing a girl or not?... Who was the girl who came in with two different kinds of shoes? Who was the short girl who took a tall girl's coat?

DEPT. 679

by Lillian Babcock

Hi there! Well the holidays are over and I am sure everyone enjoyed them. Not much news on parties... We don't have any in our department but I am sure many of the people in the department went to parties elsewhere and had a lovely time... Now we have to get busy with our work, and look forward to vacations... when and where we will go... Kate Field beat us all this year. She has taken one of hers and is ahead of the game... she kept the paint brush and papering busy. Smart girl that Kate.

Eleanor King is planning her vacation in February... She and her husband Lloyd King are going to Florida. Lucky people... We also have new comers in our department... hope you will enjoy working with us.

KVA

by Ace Samia

Now that the holidays are all over we hope everyone enjoyed them and that each one of you will have a prosperous 1965... To start with, Harold Brown is sporting a new coat and hat that his grandchildren gave him for Christmas. You look pretty sharp Grandpa... Phyllis Santerre and Fran Guyette are wearing the same hairdo. We have the Bobbsey twins in our office... This is the first year that Bill Pasotti did not get a deer. Better luck in 1965, Bill! Frank Santelli had fate on his side, he got a deer. Congratulations Frank!

Dick Morin is driving a new Cadillac around town. It was a Christmas gift. Some guys are sure fortunate!... Joe Morin just missed the jackpot in bowling recently. We still are rooting for you for a second chance, Joe... Joe Mantello is smoking a brand new pipe which his children gave him for Christmas. About time you changed, Joe!

HIGH QUALITY

by Evelyn Jones

Oh!! What a winter. Hope we continue on like this. A few vacations were left to make the holidays much easier... Those lucky people were Joe Petravich, Pauline Buletti and Mike Gaigliano.

Hello from the Beehive to two of our "Beas" who are on leave. They are Bea Marsh and Bea Hill. Hope you will soon be back... Can't say "Hello" to all of them by name, but "Welcome" to all the new people in the department.

We see that Ace Samia is sporting a new yellow truck. Real "cool" Ace. Liz Slatery spent Christmas in New York City with her son and daughter-in-law... Good luck to Al Racine on his new job. It's not the same since you left "Cell Block One"... Since we met last, Lil Senecal has become a grandmother for the second time. She has a new grandson.



REPORTERS . . .

Gertrude Noel, Norma Skorupski, Cora Ryan and Veronica Utman.

Union Street Offices

by Nicky Utman

According to all reports, the biggest news in the past few weeks is the stork's visit to town. Nick Muskovac, Rick Reid, Vin Tassone, Ray Lussier and Frank Maxymillian were all arguing over whom he was going to stay with first. We understand somehow the details were worked out to everyone's satisfaction, and Mr. Stork was free to visit the Wayne Burrell's bringing a baby girl with him... Although the stork may not have had anything to do with it, there are also some new "little" things in the parking lot. Among those sporting new

cars are Jim Nicol, Ed Geissler, and Mark Markarian. (We understand Hugh Kirkpatrick also has a new car, but hasn't yet had permission to bring it to work.)

Recent departures have been made by Bill McRae, who should by now be enjoying the sunny climate of Visalia, California, and Dave Weeks, who transferred to the Sprague Nashua plant. Our wishes for success in their new jobs go with them... Congratulations also go to Bill Hook, who is now a Foreman of our night shift. And Bob LaPierre has moved from Dick Tyler's lab to become a Group Leader on the production floor.

We now have in our midst George Senf, who was previously with the Sky-Borne Division, and is now our Delay Line expert in the lab... Should you be wondering, the Southern Gentleman now in our office is Carroll Lucy. Mr. Lucy comes to us after a tour of duty as Plant Manager for the Sprague plant in Renaix, Belgium. We can't help but wonder how long it will take for his new environment to affect his pleasant disposition (by making it even more pleasant, of course!)

On behalf of Chief Barbershop Quartet Promoter, Roger Lull, let me remind all of the forthcoming show at Drury High School, February 13 at 8:00. The show features the Four Statesmen (champions in the art) and we should keep a sharp eye out for Phil Thompson, Carl Cook, Len Dodge, and, of course, Roger Lull!

Depts. 528 and 529

by Norma Skorupski

Well here we are again with the New Year well on its way, hoping everyone had a nice holiday... Now we can all try to get back to normal... We had a nice Christmas Party at the American Legion Home on December 17th... A good time was had by all.

Wedding Bells rang for Sandy McKowen and Norman Tourje on December 19th... Congratulations to Bill Hook who was made Night Foreman at our plant... We have to send get well wishes to our desk clerk's husband, Sam Daunais, who broke his leg just before Christmas... If anyone can tell Don Raina how to get to Bennington without going through Williamstown he would like to know... It seems his blue streak became a blue turtle... Laugh Don it doesn't cost a thing.

I want to welcome all the new employees that have come into our department... Hope you will all like working here with us... Our deepest sympathy goes to Larry Lebeau on the death of his brother, Al... We will all miss Al... He worked here with us... Also sympathy goes to Millie LePak who lost her brother Matt.

Grandmother of the year, Bernice Planter — a granddaughter January 4th.

SMALL ORDERS

by Gert Noel

The holly and mistletoe have been tucked away for another year after a round of parties which included a luncheon at the Phoenix Hotel, a

luncheon catered by Adams Super Markets and winding up with a wing-ding party at the American Legion... Those enjoying Christmas vacations were Priscilla Greenlaw (breaking in a new puppy), Doris Forgette (baby sitting for her daughter), Fran Solari (already our best-dressed gal, doing more shopping) and Gert Noel (just relaxing at home)... Sincerely hope Ora Levesque will soon be feeling well again.

A very cordial welcome to all the new girls who have joined us... We bid a sad farewell to our Foreman Henry Ellsworth and welcome Lloyd King... Anniversaries - Hazel and William Daigneault, February 21, 20 years... Engagements - Jean Tavernier and Bernard Bator. The wedding has been set for July 10, 1965.

Embarrassing moments: Jane Martin's son Norman, a freshman at college, was sent home with mumps... Dot DeGruff walking around with a price tag on her blouse... Sally Allegra's indignation over Clark's Christmas tree... Terry Wozick's guessing Gert Noel's age... Rocky Jenks doing a Humpty Dumpty on his motor bike... Ruth Poiror's petting a little kitty with a white stripe down its back (for a few days we thought we'd have to bury Ruth!)

MARSHALL STREET Memoirs

REPORTERS . . .

Dolores Anello, Tillie Astorino, Barbara Battory, Carmela Brazeau, Peggy Brule, Mary Cantoni, Carol Conroy, Donna Daub, Julia Desrosiers, Ruth Edmonds, Ella Genesi, Herbert Hafner, Janice Harriman, Ruth Haskins, Alice Heidem, Betty Jangrow, Emma Jobin, Betty Jones, Judy Kaylor, Lucy Kenney, Amelia Koz, Betty Lavigne, Rose LeBeau, Grace McConnell, Dorothy Mellillo, John Millis, Gladys Moderski, Alice Monette, Carolyn Mullen, Shirley Noring, Florence Richards, Alda Roy, Helen Roy, Betty Sharkey, Cele Trudeau, James Williams, Rosemary Williams and Emily Wlodzyk.

CHECK INSPECTION

by Betty Jangrow

The Tantalum Christmas party was a very enjoyable affair... Jim Lewis and I were on the Prize Committee and I was the winner of a beautiful Christmas floral centerpiece which was given to the party by Evelyn Prystas... The Check Inspector's 8th Annual Christmas Party was a success... We had the opportunity to meet our new inspectors and friends... Our guests this year were Mr. and Mrs. Harold Tourje and Mr. and Mrs. Charles Wilson... We were sorry that circumstances prevented Mr. and Mrs. Charles Belouin from attending... We missed them... Jo Sullivan was the winner of a prize and then drew her husband's name, so it was a Sullivan night... Congratulations are in store for the following lucky people... Mr. and Mrs. Norman Robare on the birth of a daughter, Andrea Jean, born December 14 and to the new grandparents, Mr. and Mrs. Charles Belouin on the birth of a grandson....

Victor Modena is scanning the sport catalogues for fishing tackle... April will be here before we know it... Milt Lavigne didn't think much of the Volkswagen the morning it didn't start but it really was a cold morning... There are many clubs in our communities but one that recently was organized is the Tantalum Supper Club... A member saves money for the group and after a certain amount is saved, the selection of a place to go is made by the group... The members take a guest or guests if they desire to do so... This month the selection was the Lenox House and the number has grown to twenty-five so we are looking forward to a very enjoyable evening... The last one was a real treat... We had loads of fun... Belated birthday wishes to Nelson Phelps, a January birthday.

We extend our deepest sympathy to Loretta James on her recent bereavement.

TANTALUM FINISH

by Barbara King
substituting for Dolores Anello

Now to catch up on the news since before the holidays—First of all we had our annual Christmas party at the Taconic Park Restaurant on December 8... It was a grand success and ran very smoothly because of the able efforts of our arranger and toastmistress, Alice Dyndor... We had a marvelous meal and a grabbag - topped off by a variety show put on by the "Tantalum Playhouse Players"... Everyone was surprised to see so much talent in one department.

The Wednesday before Christmas we had a Christmas luncheon during our lunch hour... Everyone showed off their culinary skill and brought in something real good to eat... This party was arranged by Mary Lou Parsons, who also presented Christmas presents to our boss, Bill King, and Lil Trimarchi, our supervisor, on behalf of the department... They were quite pleased with their gifts which showed that Alice Dyndor, who bought them, made a fine choice... Evelyn Prystas of the stockroom was also presented a charm for her charm bracelet from the girls in the stockroom... Alice was presented a center piece.

We want to extend our heartiest congratulations to Nelson Montgomery on being promoted to Group Leader... He was given a farewell gift from his co-workers.

We're sorry that Dolores Anello is sick and sure hope she comes back soon... We're all pulling for you Dolores.

Gladys Costello's husband, Bill, is in the hospital and we hope he gets well very soon.

We're happy that Frances Giglotti is back to work after her extended sick leave.

The department dinner club went to the Lenox House in Lenox for dinner... Everyone enjoyed the sumptuous meal; also celebrated Teresa Garofano's birthday... About twenty-five girls attended... Olive Crandall arranged this party.

The welcome mat is out for many new members... They are: Harry Yarter, Larry Wood, Diane Gage, Bertha Lussier, Judy Billings, Eileen

Koczela, Betty Demers, Marlene Bush, Ann Delisle, Georgia Maiorella and Louisa Miranti... On nights the new workers are: Shirley Lesniak, Teresa King, Mamie Lewis, Eva King, and Germaine Mineau, Barbara Davine is back... Also Davis Koier.

Corporate Industrial Relations

by Carol Conroy

John Winant, Tony Sacco, Joanne Bogardus and Yours Truly have returned from winter vacations. Of course, there always has to be one person who shows everyone else up. Don Millberry went South to Clearwater, Florida, and that tan he's sporting sure proves it. Some people are just lucky... The skiers in the office are casting hopeful glances out the windows, and it looks as if Lady Luck is smiling on them... We think Shirley Alibozek's sisters-in-law may have plans for her. One of them had a little boy a short time ago, and the other has twin boys. The father of the twins, Bob, is employed at the Research Center.

The Corpettes finished fourth in the first half of the women's bowling. Wanda Busse finished the season with a three-string total of 519... We all want to wish Mr. Flaherty the best of luck and happiness in his retirement and hope he comes back to see us. Congratulations to Frank McCarthy who has taken Mr. Flaherty's job. Frank is just getting used to his new office... We want to welcome Virginia Watt, Mr. Lowry's new secretary. Hope you'll enjoy working here, Ginny... Our congratulations to Norma Hays' son John for receiving the "Cadet of the Year" Award in the CAP.

When things get dull around here, Mara Ozolins will live them up, even if she has to tip over a file cabinet to do it. Well not quite, but she did manage to tip a file drawer on the floor—At 8:45 a.m. no less. She didn't get hurt, but she sure made everyone in the office sit up and take notice... Shirley Alibozek took up bullfighting, sort of! It seems that a friend of Shirley's dropped his glasses in a field behind his house, and Shirley offered to help him find them. The friend (?) neglected to tell her there was a bull in the pasture—I guess maybe it wasn't bullfighting, bullrunning maybe.

Congratulations to Marion Manion on a fine Christmas issue of the LOG.

It was the best one yet... Alice Bratcher has a baby boy. Congratulations, Alice. Don't forget - we all want to see him.

SHIPPING

by Cecile Trudeau

June Rock gave a very interesting talk on the "LOG of the Air" recently. Her subject was the "Inches Away Club" of which she is secretary. This physical fitness course meets every Monday at 7:30 p.m. at Greylock School... After 20 years in the Shipping Department, Gerald Cronin has left to become a Watchman here. We all wish him good luck on his new job... Stanley Pasierbiak and Dick Gotszen spent their vacations deer hunting.

Stan got a deer. Better luck next year, Dick!... Ann Tremblay, Dolores Fletcher and Cecile Trudeau enjoyed vacations recently.

F. P. ASSEMBLY

by Grace McConnell

We are starting a New Year and many of our co-workers finished the old one by taking the third week of their vacation.... We also have a new car owners. Elsie Smith has a lovely new Dodge Coronet. It is turquoise and white. Marguerite LaCase has a very nice new yellow Mustang.... We are glad to have Alice Daniels back with us after being out some time with a broken ankle. We also have another accident to report. Maria Maruzzi fell downstairs on Thanksgiving Day and was admitted to the North Adams Hospital. She is recuperating nicely and hopes to be back soon. We also wish a speedy recovery to Jessie Zala who was operated on in December at the Plunkett Memorial Hospital in Adams.

Rita Cooper's son Robert, and his wife Nancy spent the Christmas holiday with Rita and her husband Jim. Robert is in the Navy and is stationed at Corpus Christi, Texas. Monica Biro's son, another Navy man, was home for New Year. He is stationed at Norfolk, Virginia.... We offer our sympathy to Millie Faustini whose father passed away suddenly on December 27.

W. E. Misc. Dry Test & Ship

by Ella Genesi & Emily Wlodyska

The hustle and the bustle of the holiday season is over, and what a relief!! The long week-ends are wonderful, but they certainly make a person lazy!! (We're looking forward to another long weekend—Washington's Birthday, which comes on a Monday. Man, Oh Man!! isn't that wonderful!!)....

We had two Christmas parties in our Dept., one at the cafeteria, and the other in our room. Both were very festive. At the cafeteria we had a wonderful meal served to us, and at such reasonable prices. (A plug for the cafeteria?)

It was the unanimous decision of the group to celebrate each other's birthdays with a dinner at the cafeteria. The Department party was Monday noon, December 21. It was a smorgasbord style, which consisted of relishes, salads, baked beans, ham, meat loaf, cake and coffee. Everything was just scrumptious!! Grab-bag gifts were exchanged. The tables and decorations were beautiful, and were supplied by Jo Collins, Millie Rivers and Rose Coyne. Ella Genesi and Dot Racette had charge of all arrangements, and they did an excellent job. Many thanks to them.

It was nice having one of our retired ladies, Mrs. Lucy DePari, at the party.

We would like to take this opportunity to extend our heartiest congratulations to Christian de Marcken (Methods) and John Pennock (Test Equipment) and all their helpers for the magnificent handling of the "Santa Fund", which went way over the top.... They gave unselfishly of their time and energy so that thousands

of needy children would have a Happy Christmas.... "May God Bless You All."

Della Remillard took her third week's vacation Christmas week, and was kept very busy with Christmas shopping and the many preparations that go with the holidays.... She was actually very happy to get back to work?... Ceil Maggani spent her third week visiting relatives and friends in Ontario, Canada. Was there for both Christmas and New Years. Had a most enjoyable time.... What hospitality!! It seems that people in Canada go all out for celebrating the holidays, both spiritually and socially. She claimed that people in Canada decorate their trees so very different from ours, but how beautiful they are. Of the many times that she has visited Ontario, this was her first time during the holidays.... One experience that she won't forget in a hurry!!

The second half of the bowling season is well underway. Soon it'll be over. How time flies!! It seems like it just started, and already we're looking forward to our bowling banquet. It's always such a gala affair!!... There are some very good bowlers, in both the Ten Pin and Candle Pin leagues.

The Log banquet is not too far away, either, and that's another outstanding affair. We're both looking forward to it, too.... We leave you with these thoughts in mind: "A good reputation helps, but character and sincerity are the mainstays of any man's life." and "Take time to reflect — a habit is good if you rule it, bad if it rules you."

Good for a laugh:

Mo: "My dog started to chew up my pocket dictionary."

Joe: "What did you do?"

Mo: "I took the words right out of his mouth."

I think the following poem is beautiful:

Overflow

The heart that emptiness can fill Finds that it has nothing still. The heart whose love is self contained

May lose all that it has gained. But when fulfillment overflows, It seeds itself and grows and grows.

by Dorothy Niederberger

INDUSTRIAL RELATIONS

by Claire Langner

Since our faithful reporter, Donna Daub, left January 15 to await the arrival of the stork in March, Yours Truly will try to fill her shoes as well as possible. One evening early in January, the girls in our office held a Pink and Blue Shower for Donna at Howard Johnson's. For girls, she received many baby articles, which will come in very handy, we're sure.... Although I'll be the one to take over Donna's duty as LOG reporter for the Industrial Relations Department, we have a newcomer to our office, but certainly not an unfamiliar face around Sprague Electric, to see that Donna's duties are well taken care of. She is Bernadette Berti, and is certainly proving to be an asset to our office already.

The week of January 4, our gal Agnes McDonough was the first one

in our office to take a vacation in '65. From what I hear, she would have been better off to stay at work! Right Agnes?... A certain party in our office is praying for snow. Here's hoping his prayers will be answered soon!

Q. A. R.

by Betty Jones

Well here we are once again, I see we have all survived the Holidays.

I understand the Christmas party was quite a success. It was held at the Bubble Room at the Copper Pin in Pittsfield. What! "Nobody got thrown in the pool??"

We have three late vacations in the Department. Nimrod Nowell traveled to Virginia to spend the Holidays with his daughter. From what I have heard, he had quite a trip home through the bad weather.... Cynthia Mills and Betty Lou Price spent their's at home over the Holidays.

I see Cynthia Rodowicz and Penny Vareschi are both wearing shiny new diamonds. Cynthia received hers for Christmas, and Penny received hers for her birthday.

There are three girls getting married in February; Terry Tremblay, Penny Vareschi and Janet Bissailon. Terry will get married on the 20th and Janet and Penny on the 27th.... They are all working very hard on their weddings and apartments getting ready for the "Big Day"... Best of luck to the three of them.

To end this report I would like to wish everybody a very happy and healthful New Year.

Tantalum

by Amelia Koza & Gladys Moderski

The holidays are over and now after a fashion we can relax. Our festive holiday season was a combination of a Christmas and a farewell party for Dominic Pappas. The dinner consisted of all homemade goodies, with each person bringing the delicacy for which they excelled.

Dominic Pappas has been transferred to the Ceramic Dept. and we all wish him the best of luck.... Nelson Montgomery has taken his place as the Group Leader.... Again, the best wishes of the Dept. are extended to you, Nelson, in your new venture.

We all hope Frances Laghi will be back with us soon. We miss her very much!!

Who is the New Roller by the name of "Morticia"—Extremist!!... That's tuff!! What can I say???

Welcome to all the new girls; Blanche Letalian, Dorothy Belanger, Celia Esposito, Alease Morgan, Helen Heffner, Laura Fortier, Marion LaBombard, Lorraine Duffy, Mary Felix, Mary Girgenti and also Lewis Sorel.

Congratulations to a "Brand new Grandmother" Rita Belouin.... Helen Gould became a grandmother for the third time—this was also a grandson.

Filter Department - Coil Winding

by Lucy Kenney

After ten years of hard work together, Marge Richer and Dot Bliss

have separated. Marge is in Building 11, with all the old familiar faces in the Filters. Now we can all sing "That Old Gang Of Mine" once again.... Theresa Norcross can sing along, too, because she is one of our clerks at the desk.... But to you, Dorothy, we all want you to know we have not forgotten you and speak of you often. We miss your vivacious smile.

Now that the holidays are over, and the college kids are all back to school, Mother Cirone, Dubie, and Siciliano are all coming up for air!!

It was Christmas in New York for Rita Aragose and Angie Domiano.... New Mexico for Julia Derosiers for three weeks visiting her son and family.... This is an annual trip for Rita.... Mary Marchio donated her service at the American Legion on Christmas Day and enjoyed every minute of it. Stay well, Mary, so you can perform your charitable duties again next year.

It was Florida again for John Mahoney, and we wouldn't be surprised if he settled there some day.

Jean Bancroft, Jane Lanzo, Rose Lazarczyk, Katherine Herzog, Betsy McLain, Rita Aragose, Margaret Cirone, Anne Dubie, Angie Damiano, Red Navarro and Tony Falco all enjoyed a year-end vacation.... Albert Therrien started the new year off with a bang!! He just loves a winter vacation. It was hunting we will go for all the men in the Filters, but they all came home with "Zero"... Better luck next year, boys!!!

Evelyn Walden is a caterpillar expert!!! She's got us all believing we'll turn into butterflies. Take a minute, Evelyn, and tell us all you know!!!

Jean Maselli has a dog and his name is "Dukie", and if Dukie doesn't get Jean up for work in the morning, Jean eats all the bones and Dukie gets a dirty look!!!!

Ralph Afford will soon be on his way home for a vacation, and his home is in England.

M-Sgt. Gerald F. Colvin, son of Effie, who has earned the right to wear the distinctive Red Beret has also received the Bronze Star in Viet Nam. Effie just loves carrying the Bennington Banner under her arm to show "my boy's picture."

Jeannette Cady's mother and father celebrated their 57th Wedding Anniversary on January 4th.

It is another milestone for Henrietta Senecal, Maisie Foley and Mabel O'Grady. These three women from a group of eight people have completed 14 years of service. Etta retired December 4, Maisie on January 8, and Mabel on January 29.... They were all honored on the occasion of their retirement and were each presented with a purse of money and good wishes from all the Dept. Etta is enjoying a beautiful color T.V., Maisie will have a nice three month stay in Florida, and Mabel will let the rest of the world roll by.

We all had our picture taken while we were enjoying eating all the nice cakes. Don't forget, girls, "It is not the end of the world."

Hello Betty Battersby and Martha Lewis.

We in the Filter Dept. have retired five.

And last, but not least, Betty Fleury is sure going to miss their three co-workers... Will you be my Valentine?

Sprocko Inventory Control

by Peggy Brule

Helen Daniels was in charge of our gala Christmas party. It was held at the Williams Inn December 17. It was nice having some of the sales engineers from our branch offices at the party. Those attending were Harry Paston and Neil Hunter of Syracuse, Mike Demers and Fred Klein, Boston, and John Gilbert of Concord, New Hampshire. Sadly missed were Barney Shine of Boston and Bob Trinkle of our Pennsylvania operation... Margaret Lasher and Betty Beauchamp had a real good time on the Christmas excursion. They enjoyed the Broadway play, "How to Succeed in Business."

Congratulations to Marg Lasher who became a grandmother for the third time, to a lovely baby girl. Mary Beth was born December 8 at the North Adams Hospital. The proud parents are Dr. and Mrs. Willard Olmstead of Greene, New York. Mrs. Olmstead is the former Marilyn Lasher, a graduate nurse of the Albany Medical Center... We don't see Bill Cone very often now that the new computer is here, because we are constantly moving from place to place. We are all anxiously waiting for the day when we will all be together in Building No. 3 again.

Not all of us are as fortunate as Bonnie Cahoon. Her better half visits her every day during coffee break. Bonnie's husband Chuck is a draftsman in Sprague Electric... Belated birthday greetings to Nan Rousseau... Bob Burbank is wished many happy returns on February 4... Nan Rousseau is still on sick leave, and we hope it won't be too long before she will be well and back to work with us. (That's if you can find us, Nan?)

Peggy Brule is hoping for a blanket of snow so the skiing in the Berkshires will come alive again. Keep your fingers crossed, Tank Wilson! We are all rooting for you and all the skiers... Best wishes to Barbara (Seery) and Bill Vareski who were married in Williamstown January 7. A wedding cake was presented to Barbara during break.

The March issue of the LOG will be the Annual Report to Employees... In closing, we wish all our friends a wonderful year!

Sub-Miniature Dry

by Gerry Guisti

Now that the holidays are over with, everyone can get back to routine. Our Christmas Party was very successful. Hope you all didn't get a Charley Horse from too much dancing... Welcome back from sick leaves go to Madeline Boyer and Margaret Dickinson... Proud grandparents are our Foreman Ziggle Nash and wife. Their daughter had a baby girl... Also Virginia Martin became a grandmother... Her daughter had a baby girl too... "Sugar and Spice and everything nice" that's for little girls.

Christmas vacations are getting popular... People save them for this busy time... A few that were out during December are Jane Gross, Esther Delisle, Gerry Giusti, Ann Stawarz, Marjorie Cole, Bernice Gentile and Miles O'Grady. Miles took a week off to move into their newly acquired home... Lots of luck. Bernice Gentile enjoyed her vacation doubly because her son Joseph was home for the holidays... He is a student at Boston College. We hear he's a good scholar too.

Nice picture of David Peck in his football outfit... The picture was in the Transcript. It was with the rest of his squad... He is the son of Jackie Peck. Mabel Lewitt and husband celebrated their 37th wedding anniversary on January 5th... That's a pretty long stretch, Mabel. Congratulations!

We have one retiree in our midst. Edith Royal retired January 8. She worked in Sprague about 15 years... Lots of luck Edith... Hope you enjoy staying in bed these cold mornings... A party will be coming up soon, so you better plan on stepping out... Tom Doyle also will be retiring soon, about March they say... Good for you Tom... Every year seems to be a little harder doesn't it?

Sympathy goes out to Connie Boschetti on the death of her sister and Miles O'Grady on the death of an aunt.

Happy birthday to anyone having a birthday in January or February because the LOG won't be out again till March... See you in the spring.

CERAMICS

by Ruth Edmonds

Just want to say welcome to all the new girls and fellows who have come to work with us in Ceramics and welcome to Dominic Pappas who is the Group Leader on the new line... Congratulations go out to our Check Inspector, Donald Sheldon, who is getting married February 27... lots of luck to you and Ruth.

We will miss you in Ceramics, Larry Jourdenais. Lots of good luck and happiness in your retirement... He has worked many years in Sprague the last six have been in the Ceramics.

We wish to express our deepest sympathy to James Gonyea on the death of his brother-in-law; to Silvio Volpi on the death of his father-in-law and to Marjorie Hauptfleisch on the death of a cousin and an aunt.

Centrifuge

by William F. Knapp

Well, this is your old Centrifuge Department again. We hope everybody had a Happy New Year... James Fleming received his five-year pin... John Camadine went into the Navy in July. We got a letter from him and he said he will be glad when he can come back to work here, but he likes the Navy... John Sullivan's car caught on fire but fortunately nobody got hurt... Well here a new year has begun and hunting has just started. Everybody is waiting for the fishing season to open. I know I am... Leon Beckwith is leaving us. He is going to Formation Department. William Knapp is also leaving for the Formation Department.

HIGH RELIABILITY FILTERS

by M. Shirley Noring

Charlie Cyr received a beautiful bright red hand knit sweater for Christmas. Surprisingly enough his wife Eva wasn't a bit mad or jealous. She thought it was a big joke! Charlie wears it only on real cold days... Has anyone ever walked in the wrong door and undergone treatment by the wrong doctor and not known the difference until she got home and questioned the unusual treatment she received? Well Irene Kondej did just that. Not feeling well, a friend suggested to Irene that she see a certain medical doctor. Irene had no idea what the doctor looked like but knew the building his office was in, so off she went to visit him. Not realizing her mistake in opening the wrong door, she told the man she faced what her trouble was and he proceeded to treat her. Irene had visited a chiropractor.

We're all happy that Edie Scriven's mother, who had a very unpleasant time at Christmas, is back home from the hospital and feeling better... Florence Haskins, our happy girl, also had a long illness over the holidays... We hope by the time you read this Florence will be back with us... Our newest grandmother to date is Isabel Lipinski whose daughter Frances Kordana had a baby girl Susan just before the holidays... Our newest parent—Roger Malloy whose wife presented him with a baby girl, their fifth, also before the holidays.

Jerry Bessette received an unusual charm for her bracelet at Christmas time... Kennedy sitting in his rocking chair... It is very tiny but it actually looks like him.

Irelle Garello thinks that her granddaughter Jody's name is especially lucky—I would too, Irelle... Dot Paquin's son Adrian is a connoisseur of good breakfasts—Ask Dot sometime.

Winter came
And winter's going
Spring is coming
But it's still snowing

MACHINE SHOP

by Jim Williams

The annual IAM Christmas party was held at the Williams Inn. Charles Kelly and Joe Lora served as co-chairmen. A good time was had by all... Claire Rancatti of Church Street and Robert F. Daub of Middle Road, Clarksburg announced their engagement on December 26. A June wedding is planned. Mr. Daub is a toolmaker at the Marshall Street shop and Miss Rancatti is employed as a bookkeeper at the Trust Company... Forrest Sherman of the Can Shop moved into his new home in Clarksburg just in time for Christmas... Welcome back to Joe Lora after an extended stay at the hospital... Joe Duffy, our stockman, is happy these days. It must be his "brand new" steel workbench. Maybe you'll get a new saw next Joe.

Test Equipment

by Mary Cantoni

Christmas, 1964 Good-bye... It was a wonderful year. We in Test Equipment felt it more than any other year... John Pennock, our Foreman was co-chairman of the Santa Fund and he and Peg Slater kept busy every rest period and donated their lunch hours to making posters and wrapping gifts... The entire department entered into the spirit by agreeing not to send Christmas cards to each other, and donating the money to the Santa Fund... It was a wonderful feeling knowing you were helping the needy.

Darren Andrew Hatin, born December 13th, just couldn't wait for the new year... He decided to be on hand to play with his sister and brother at Christmas time... Mr. and Mrs. Donald Hatin said one more didn't matter around the Christmas Tree... Jack Beverly can't wait to try his skiing outfit... Poor Jack (No Snow)... Cheer up the Farmer's Almanac claims in February we'll have the biggest snow storm in years.

Congratulations to Charlie Lincoln on the purchase of a new home... The Lincoln's now own a home at 84 Richview Avenue... A word to wonderful Mrs. Edward Lamphier... Not only does your husband enjoy opening his lunch pail every noon because he never knows what cartoon he might find, but his fellow workers also look forward to it... Keep it up Evelyn, it brightens our day.

Because of the long period between the LOG news, this is our first opportunity to welcome our new engineer, Gregory Johnson to our department (no relation to LBJ). Greg replaced Paul Austin in the Lab... Paul just can't keep away from the old department... He visited us for Christmas and when he arrived was surprised—no one was here to greet him. Marvel Monette, a former secretary, gave birth to a girl... Congratulations, Marvel... Birthdays in January include Bernie Robert - January 3... Don Hatin - January 18... and Jack Beverly - January 28... In February - Charles Lincoln the 16th... Donald Begnoche the 26th and Walter Hilchey the 27th.

BUILDING 7 OFFICES

by Helen Roy

Once again the holidays with the gay Christmas and New Years parties are all over and everyone has settled down to normal living, awaiting the new year to unfold... The annual Christmas party was held at Taconic Park on December 12. Following a delightful meal there was an exchange of grab bag gifts and for the rest of the evening, everyone enjoyed dancing... Congratulations to Bernie Thibert and his wife Dolores on the birth of a son, Brian David, born on October 24, and to Jim Casuscelli and his wife Grace, on the arrival of their new baby girl born December 30... Tom Cullen became a grandfather twice in succession. Mr. and Mrs. William Cullen were parents of a girl November 24th and Mr. and Mrs. Thomas Cullen, Jr. were parents of a girl December 1st.

Lester Dumoulin of Q.A.R. is in the hospital for treatment... Pete Jeffers of Q.A.R. lost 15 pounds since he started his diet. Keep up the good work Pete... Vern Durocher now has water at his house and is living back in Stamford... A warm welcome to Sidney Taft who has joined our area... Best wishes to Janet Cross on her 21st birthday... Dan Stone, our co-op student from Northeastern University now plays in a band called the "Wind-jammers" at Brodie Mountain on Saturday nights... We are proud to have Christian de Marcken as an employee of the Methods Department, who, along with John Pennock of Test Equipment, headed the Santa Fund to help underprivileged youngsters in the area enjoy a wonderful Christmas.

OFFICE SERVICES

by Carmela Brazeau

Hello again everyone... As I write this report it is the beginning of a New Year. Best wishes for a happy prosperous year... Everyone seemed to enjoy the holidays and are glad to have things back to normal again, especially here at the mail room. The day after Christmas was quite a busy one with 35 bags of mail to be sorted.

Lidija Augskalne spent Christmas week on vacation and spent Christmas and her Birthday in Boston... Our Christmas party was postponed this year due to sickness, but we do hope to pick it up in the near future... Hunting season was a successful one this year for our foreman Howard Lee. He bagged a deer in Vermont and in Massachusetts.

Recently we all enjoyed some pictures of Chester Gallup's twin grandchildren who celebrated their second birthday November 11. Chet says they are the "big noise" in the Gallup's household. Even when the twins are sleeping, you must keep your eyes on them. They are adorable, even though they are always the mischievous ones... Also we enjoyed some pictures of Kathy Petro's sister's wedding.

Farewell and good luck to Leonor Cimonetti who has left us to retire. We all hope she is enjoying herself... Our welcome mat is out again and this time we welcome Chester Zajac and Alwin Holland. Chester replaces Tommy Richards who took over Leonor's job in Stationary. Alwin replaces Wayne Burnell who has left us for a Lab job.

Congratulations to Mr. & Mrs. Wayne Burnell who are the proud parents of a daughter born January 6... Belated greetings to all who have birthdays and anniversaries in December, January and February.

Western Electric & Navy Office

by Betty Lavigne

It wasn't a white Christmas, but it was a nice Christmas for all of us in this office... We attended the Check Inspection Christmas Party held at the Heartwellville Lodge. All had an enjoyable evening... We would like to give credit to Norman Robare for making that beautiful centerpiece which was given as a door prize.

We would like to take this oppor-

tunity to wish everyone a happy and prosperous New Year... Carol Halder enjoyed a week's vacation sleeping late every morning!!!... Will Johnson is in Alabama taking a three week course for the Navy (It certainly is an ideal time of the year to go South)... We would like to congratulate Ray Hamel on the birth of his son in August. Ray also has three girls.

Western Electric & Dry Rolling

by Dorothy Melillo

What's this we heard about Charlie Pedrin? Did you have a little accident?... Jim Blair is willing to give instructions in the art of wrestling to all who may be interested.

Joe Allard's birthday was celebrated with a touch of magic. He huffed and he puffed, but he couldn't seem to blow the candles out and keep them out!!!

Rumor has it that Gloria Meranti and Walt O'Neil each bought themselves a doll to play with for Christmas!!!

One reason we all look forward to the holidays is the load of goodies that Jennie Petrovich and Helen Colo always bring us... As far as we are concerned, they both would win blue ribbons if we had to decide who was the best cook.

I hope your Christmas was Merry and Santa brought all your heart desired... Let's pray the New Year brings happiness and good health to us all.

Till next issue—remember this—"Keep unkind words in your mouth, you may have to eat them later."

F. P. Ovens & Assembly

by Rose LeBeau & Mary Roberts

Several people enjoyed vacations in our Department during the holidays... Fred Grogan spent his time hunting, but with not much luck... Austin Rogge spent his vacation at home... It was nice to have Edith Fields with us for our Christmas Dinner. She retired several months ago.

There have been several of our group sick with colds... It's nice to have Marie Dubreuil back after she was out sick... Mary Roberts had a vacation and went to visit her son, which she enjoyed very much... We wish to extend our deepest sympathy to Joe Messina on the loss of his brother... Also to Brownie Lussier on the loss of his wife.

I wish to thank everyone for their thoughtfulness to me when I lost my husband. Everyone was just wonderful.

Formation

by John Millis

Well, it's good-by '64 and hello '65, but let's wait a little while and go back to '64 for a short review. Red Sox - 8th place; The Yanks lost the World Series... Now we come to the week of December 7. Oh yes, good old deer season in Massachusetts. About half the first and second shift took the week off, and I expected to have a real good story to tell in this issue. But

the boys let me down. I'll use the old slogan of the Red Sox rooters, "Wait 'til next year." The only lucky one to get a deer was Dick Braman, and he was in Vermont... Yours Truly went out and banged up the car that week (not my fault).

Everyone is hoping for a speedy recovery of our boss, George Secolov. George doesn't have to worry too much about getting the work done while he is out just as long as he has Jimmy Cook on the job. Jimmy came in to work one morning at 7:00, went out at 3:00. He came back in at seven that night ready to go to work again. Some of the boys saw him at the clock ready to punch in and asked him where he was going. All Jimmy could say was, "Boy, that night went by faster than any one in my life!"

The two happiest men in the department today are Babe Gilbert and Bernie Davignon. Babe because he can run his snow sled and Bernie because he can run his dogs. He has a kennel of about nine Huskies... Mike Horan and George Perras are out hunting in their spare time... Al Volpi is our only representative in the Sprague Bowling league. Here's one for the boys. How much water does a ten-gallon hat hold? If you know the answer, leave it in the checking booth.

Larry Clark and his family spent Christmas week-end out in Pennsylvania. His brother and wife were celebrating their 25th wedding anniversary... Art Hewitt has a new hobby these days, making plaques and figurines. He molds them out of wax and plaster. Anyone interested in these can reach Art by calling him at his home... Leon Beckwith has joined the ranks as a machine operator.

New Arrivals . . .

DECEMBER

1. Mr. & Mrs. William Cullen, daughter
1. Mr. & Mrs. Michael Dowling, daughter
2. Mr. & Mrs. William Martin, daughter
2. Mr. & Mrs. Walter Odell, son
2. Mr. & Mrs. Vincent Tassone, daughter
9. Mr. & Mrs. Paul Beddo, daughter
12. Mr. & Mrs. Norman Robare, daughter
13. Mr. & Mrs. Donald Hatton, son
14. Mr. & Mrs. Robert Dargie, daughter
15. Mr. & Mrs. Edmond Perras, daughter
18. Mr. & Mrs. Brian Andrews, son
19. Mr. & Mrs. Roger Malloy, daughter
23. Dr. & Mrs. Paul Roughan, son
29. Mr. & Mrs. Charles Mattimore, daughter
30. Mr. & Mrs. James Casucelli, daughter

JANUARY

2. Mr. & Mrs. Arthur Langlois, daughter
4. Mr. & Mrs. Leo Dumas, son
5. Mr. & Mrs. Ernest Blondin, son
5. Mr. & Mrs. Wayne Brunell, daughter
11. Mr. & Mrs. Norman Gajda, son
12. Mr. & Mrs. Kenneth Kleiner, daughter

Recipe Corner

(Editor's note: After many requests we are adding a new feature. If you enjoy the recipe and have a favorite one of your own, we would like to have you send it to the Log Desk.)

DATE NUT BREAD

- 1½ cups dates (cut up)
- 1 cup water
- ¾ cup sugar
- ¾ cup cooking oil
- ½ cup nuts
- 1 teas. vanilla
- 2 eggs (beaten)
- 1½ cups flour
- 1 heaping teas. baking soda

Bring dates and water to a boil—cool. Add sugar, oil, nuts, vanilla and eggs. Mix well (use spoon). Add flour and baking soda which have been sifted together. Pour in a greased loaf pan and bake in a 350-325 oven for 45 to 50 minutes.

Submitted by Mary Mondia, Film Products

Saucer Spotter Aids Earthlings

Earthlings now are one-up on any would-be flying saucer invaders from outer space.

Scientists at Massachusetts Institute of Technology's Lincoln Laboratory, Tyngsboro, Massachusetts, will take charge of the United States' own saucer which is sensitive enough to detect traveling objects one thousand miles into space.

The aluminum saucer-shaped device is considered one of the free world's most advanced radio communications instruments. Mounted atop a ground installation on Haystack Hill located near the MIT laboratory, it will perform a number of tasks.

The most important will be in the development of the ground-based transmission equipment required to operate earth-girdling communications satellite systems.

To this end, its first task will be focused on experiments with tiny satellites already orbited by the United States.

A Touch of Humor

Producer: "Have you ever had any stage experience?"

Girl: "I once had my leg in a cast."

"I don't like Bill," confided a co-ed to her roommate. "He knows too many naughty songs."

"Does he sing them to you?" asked her friend.

"Well, no, but he whistles them."

One man says that when he wants to show who is boss in his house, he demands a clean apron.

14. Mr. & Mrs. William O'Donnell, daughter
17. Mr. & Mrs. James Fischer, daughter

Pilgrimage To The Holy Land Described By Alice Pisano and Gladys Moderski

Alice Pisano and I left our homes on a clear October 6th and arrived at the Kennedy International Airport ready for our flight. Our first stop was Amsterdam, Holland, a beautiful, green country with a lovely, clean airport. After three hours stay, we took off for London and arrived there in a drizzle of rain. After several other stops we arrived in Bierut, Lebanon, the entrance to the Holy Land. Here we were met by our guide, the same man who had planned the pilgrimage for Pope Paul VI.

We traveled through Jerusalem, Bethlehem, Gethsemane, the Garden of Olives, the Holy Sepulcher Church and the Tomb of Our Lord. At Gethsemane we saw four olive trees which were growing at the time of the Crucifixion of Christ. They are the only four left and their size and age is remarkable.

We crossed into Israel through the Mandelbaum Gate. Here we saw the Church of the Ascension, the Benedictine Abby, the place of the Last Supper and the birthplace of John the Baptist. We continued on to Haifa where we visited Our Lady of Mount Carmel which overlooks the Port of Haifa. From here we traveled to Mt. Tabor which is "Holy Mountain". It is the highest point and closest to heaven. The view from the top is magnificent. You can see the River Jordan, the Dead Sea, Paltus, and all the places Our Lord walked and lived.

All told we spent 11 wonderful days in the Holy Land and it was like living in paradise on earth. We left with

sorrow and yet with much knowledge and understanding, and high hope that we will be able to return again.

Our next stop was in Rome, the Eternal City, where the ride from the airport through the countryside was very refreshing after the heat of Jerusalem. For three days we had thunder, lightning and a terrific downpour. We had come to Rome to see and learn as much of the old history of our Church as we could so it didn't matter how we spent our time as long as we took in all the important parts of Rome and Vatican City. The Victor Emmanuel Monument is beautiful and we enjoyed seeing the Piazza Venezia. We journeyed along the Via Piazza del Popolo to the Vatican with its collection of art and tapestry and the Sistine Chapel. We also visited the Basilica of St. John Lateran, and Santa Maria Maggiore. Outside the walls we saw the Basilica of St. Paul, the ruins of Rome and the Colosseum.

We visited a most unusual cemetery where people talk to their departed as if they were living day after day, and it seems they are not forgotten. We also did some shopping and visited the fountain of Trevi, but because of the heavy rain the fountains were not working.

From Rome we flew to Paris via Milan. The flight over the Alps was beautiful. Paris was lovely and after visiting many places of interest there we were on our way back home. We will remember our trip all our lives, but it was good to be back home again, too.

NEWS . . . from Vandalia, Ohio

by DONNA BORCHERS and EDNA BROWN



Jack McGill prepares to cut the cake on his birthday.

Stuart Inderrieden receives his \$75 suggestion award check from Kenneth S. Brown.

This column finds us into another year with the Vandalia-ites trying to adjust themselves to that fact plus abiding by all their resolutions and recovering from the "hectic, but happy holidays" and "yours truly" (Donna) is trying to get used to her new name and responsibilities as a wife—the carefree single girl role is no more as she took that really big step December 19—guess it's going to take a little time for all of us, but we can't expect to conquer them overnight, now can we?

The Vandalia-ites got the holiday season off with a "bang" on Dec. 11 at a gala party held at the Helen of Troy Restaurant—everyone ate, danced, and laughed up a storm—right, Bob Jenks!... It was a special evening for Stuart K. Inderrieden (Design Specialist) for he not only received his 5-year service pin but a \$75.00 suggestion award check from Kenneth S. Brown, Industrial Relations Manager, Eastern Area, and Jack G. McGill, Vandalia Plant Manager.... Three cheers to this jolly good fellow!

Holiday Surprises: Helen Lingmann became a grandmother to a bouncing baby boy, Timothy Wm. Heyne, born on December 12.... Janet Brown was tickled pink to have her son Pfc. Larry at home for the holidays—he is in the Paratroopers and is stationed at Fort Bragg, N.C.... Terry Nestor's son, Stew, a student at Miami U. in Oxford, Ohio, also spent his holidays at home and from what we hear really celebrated his

18th birthday on New Year's Eve in a big way!... Now we understand all those big smiles on the assembly line!

Familiar faces back on the scene: After hospital visits are: Jerry Adkins and Velma Stum.... Tony Pfum (technician) has returned after duty with "Uncle Sam". It's good to have you back for it wasn't the same without you!

Welcome to the Crew: Office: Mary Sallee, Betty Dempsey and Len Felder.... Screen Room: Jerry Gress.... Can Shop: Lyn Hussong.... Production: Francis Booher, Carolyn Brady, Thelma Hall, Peg Phillips, Velma Stum, Ruth Tucker and Germa Webb.... Glad to have you aboard—the more the merrier!

Additions to our little crew: The William Schmid's (Diana Kaye - Oct. 28) and the James Hess's (Gail Ann - Nov. 12) are grinning from ear to ear with their new bundles of joy.... They're adorable and will be heartbreakers in a few short years!

Goodbyes: Claude Hyder (Prototype) is leaving Jan. 23 to complete work on his B.S. in Education at the Middle Tennessee State College—we wish him the best of everything.... Also, adieu to Donna Borchers (hey, that's me) - Jan. 29, I'm headed South towards Pensacola, Florida (Naval Air Station) to join my new hubby—after four years, good-byes won't be easy, so I'll just say so long and thanks a heap for it's been grand—God bless you all.



After wading in the Dead Sea the group washed in a village fountain.

A cup of tea proved refreshing, but expensive at 50c each.



The group posed reverently at the Tomb of Our Lord.



Eric Allen Inderrieden: "Get ready, here I come!"

Dawn Annette Upton: "I'm not spoiled, much!"



TRADING POST



FOR SALE

(5) BEDROOM HOUSE in Stamford. (2) full baths, living room with fireplace, large dining room, large kitchen with electric stove, laundry room, screened porch, charming brook, large plot of land, separate barn with new roof. Asking \$18,000. Call OX 4-1248.

(4) RM. (2) BEDROOM HOUSE in Williamstown. 1/2 acre of land with pond. Aluminum siding, natural wood floors; cabinet kitchen, built-in electric oven and range top; combination storm and screen windows. Call 458-4363 or 743-9561 after 5:30 P.M. or week-ends.

TAKE OVER PAYMENTS ON A '60 CHEVY IMPALA - 4 dr. hardtop; V-8; two-tone green and white. Excellent condition. One owner. Call 458-3694 after 5 P.M.

1957 CHEVY SEDAN (Brown and cream); 4-door. Runs good. \$200. Call 663-8120.

1956 FORD V-8 (4-Door) - Automatic transmission; new tires and muffler. Excellent condition. Call 458-5574 or Ext. 2221.

4 CYLINDER, 40 hp ENGINE and 4-speed transmission. Call Ext. 2559. (1) PR. GOODYEAR SNOW TIRES with rims. New last year. Fit 1960-64 Ford or Mercury. Call 663-7585 after 5 P.M. or Ext. 2675.

AKC REGISTERED COLLIE PUPS - born Dec. 23. Call 458-3521 after 4 P.M. or 663-5755 during the day.

HAND KNT POWDER BLUE SWEATER - size 42. \$15. Call 663-3640 after 5 P.M.

LARGE STURDY DESK with chair and matching 4-drawer bureau (blond wood). Like new. \$50 each. Call 663-3677 anytime.

KASTLE METAL SKIS (6'11") with new Marker bindings. One year old. Refinished at factory. Like new. Navy color. Call 663-8670 after 5 P.M. STROLTZ SKI BOOTS (size 11). Used only 5 times. Half price. Call 458-5049.

6' ALPINE PRIMA SKIS with Northland bindings and safety straps. One season old. \$25. Call 663-7368 after 6 P.M.

MEN'S LEFT HAND GOLF CLUBS No. 1 and 3 woods; 2, 3, 4, 5, 7, and 9 irons; and putter. All in good condition. \$30. Also (1) 14" wheel for Dodge or DeSoto. \$2. Call Pete Jeffers at Ext. 2498 during day or 663-8919 after 5 P.M.

40" x 40" PROJECTION SCREEN with stand. Like new. \$10. Also Meeker handbag (can be used as shoulder bag). Cost \$28, will sell for \$15. Brand new. Call 663-6241 after 5 P.M.

(3) GOWNS - size 11. (1) pink silk, (1) deep purple velvet - both short length. (1) aqua silk (long) with matching shoes, size 6 1/2. All in excellent condition. Call 743-3602 anytime.

Suggestions

Continued from page 1

Dorothy Lewis, of Ceramics, suggested an improved method of holding terminals in a soldering operation.

A total of seven \$15.00 awards were made. Topping the list was Edward Mulvaney, of Ceramics, who had three separate ideas accepted for \$15.00 each. Ed has been a consistent winner in our suggestion program. Just last July he received a \$25.00 award for an accepted idea. His latest ideas all involved safety suggestions - an area in which ideas are always welcome. They involved welding ears on the side of the Filter press cover so it can be picked up with a piece of angle iron; eliminating threaded caps on optical peep holes in the Harper kiln; and improving the method of unloading monolithic units from slabs. Joseph Bushika, Jr. and Edward Bassi, both of Maintenance, each received \$15.00 for their combined safety suggestion of an improved method which allows stripping of wire to any desired length.

The final two \$15.00 awards went to John Davis, of Filters, and Carl Cook, of Maintenance Test, Union Street. John suggested an improved method for inserting the barrier masking wire in the metallized paper section made in the Filter Department, and Carl suggested a discharge switch to eliminate burning of the pots in the voltage adjust circuit.



A FIRE IN THE PLANT CAN MEAN THE LOSS OF YOUR JOB. DO YOUR PART TO PREVENT FIRE.

McCarthy

Continued from page 3

from Bay Path Business School in Springfield. He served in the U. S. Army Air Force from 1942 to 1945 and on leaving the service was a Staff Sergeant Instructor-Instrument Flying.

Mr. McCarthy is married to the former Norma Rossi, of Lee, Massachusetts, and they and their son, Michael, reside on Tremont Street in North Adams.

The switch will also prevent shocks.

Three other suggestions were dated filed for further study before a final decision is made.

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3. Ads will not be run more than once, unless re-submitted.
4. Unsigned ads will not be printed, names will not be published.
5. If ad is for more than one article, combine on same form.
6. Application forms for ads are available from the Log Desk.

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Research News . . .

Scientific Papers Presented By Three Research Center Men

Three members of the Research Center staff recently presented papers at scientific meetings held in San Francisco and New York City.

Dr. Harlan Anderson's presentation at the San Francisco Meeting of the Basic Science Division of the American Ceramic Society was entitled, "The Initial Sintering of Barium Titanate". The paper involved "data derived from initial shrinkage measurements of fine-grained barium titanate compacts which are consistent with a recently published rate equation proposed for grain boundary vacancy diffusion. The influence of stoichiometry on the sintering rate was also discussed."

At the recent Physical Society Meeting in New York City, Dr. Kenneth E. Manchester and Paul S. Ho each made a presentation. Dr. Manchester's paper, prepared with Clifton B. Sibley of NRC Corporation, Boston, had to do with "Doping of Silicon by Ion Implantation." Their abstract stated: "Silicon has been implanted with phosphorus and boron ions at energy levels from 10 to 80 Kev. to produce up and pnp structures. These implantations have been made in the 100,110, and 111 directions in substrates with both mechanically and chemically polished surfaces and bulk resistivities in the range 0.2-242-cm.

Penetration is correlated with energy for single implantation by means of junction depth. Phosphorus implanted samples have shown junctions as deep as 12,400 Å with 80 Kev. ions in the <111> direction. Junctions produced by ions of a given energy increase in depth with the orientation order 100,110,111.

Paul Ho's paper was the result of work performed by him while at Rensselaer Polytechnic Institute, prior to joining Sprague Electric. Entitled "Electromigration and Soret Effect in Cobalt," the abstract stated: "Present information aims to resolve whether the electron-ion interaction in hole conductors follows the flow of charge carriers in electromigration experiments, as predicted by theory and observed in several electron conductors. Mass transport of cobalt, a hole conductor, under the influence of a direct current of about 10^3 amps/cm² has been measured by a marker motion technique. The cobalt ions migrated to the cathode at temperatures from 1250°C to 1360°C with a marker motion of about 2 μ/day at 1360°C and an average effective charge of +1.6e. This result would therefore indicate an affirmative answer if the valence charge is taken to be +0.6e.

Due to the presence of thermal gradient in the electromigration experiment, the Soret effect has also been observed; the ions migrated down the temperature gradient. The marker motion was about 7 μ/day at 1320°C and 500°C/cm. The value of s_1 , the Soret coefficient, was found to increase from about 0.40 K⁻¹

Recent Patents

No. 3,154,439 - Issued: October 27, 1964 - Dr. Preston Robinson

The invention relates to a protective skin for a semiconductor structure. The skin is developed by the substitution of a metal, such as aluminum, in the semiconductor oxide coating that is conventionally present on such structures.

No. 3,156,592 - Issued: November 10, 1964 - Rainer Zuleeg (a former employee)

The invention relates to a micro-alloy junction in a semiconductor device that is produced by passing a current through a plated base region so as to homogeneously distribute the heat above the melting point of the plated material thereby distributing a molten alloy phase evenly across the plated area.

No. 3,158,746 - Issued: November 24, 1964 - Dr. Kurt Lehovec

The invention relates to a semiconductor body which, by control of the electrical potential applied at the space-charge layer or layers, can be used to modulate the intensity of a light beam of substantial cross-sectional area passing through said body.

Cornell-Dubilier Granted License

The Cornell-Dubilier Electric Corporation, of Newark, New Jersey, a subsidiary of the Federal-Pacific Electric Company, has been granted a license to manufacture solid-electrolyte capacitors under Sprague Electric Company patents.

Terms of the patent license were not disclosed other than to say that the license was a "non-exclusive license with royalties" and that CDE had agreed to pay Sprague Electric royalties for its past production and sale of solid-electrolyte capacitors.

The license includes the right to manufacture under U. S. Patent No. 3,066,247, granted on November 27, 1962 to Dr. Preston Robinson, and under U. S. Patent No. 2,936,514, granted May 17, 1960 to Richard J. Millard, and under any other patents owned by Sprague Electric covering these capacitors. The Robinson patent was said to be the basic patent covering the invention of solid-electrolyte capacitors while the Millard patent covers processes used in their manufacture.

At the same time, Sprague Electric will receive a license under CDE improvement patents granted in this field.

The Sprague license agreement with CDE follows the granting of licenses under the same patents to the Union Carbide Corporation (Kemet Department, Linde Division) and to the General Instrument Corporation, among others, during the past few months.

at 1200°C to about 0.12 K⁻¹ at 1360°C. The kinetic theory, predicting a much lower value for s_1 , cannot adequately explain the experimental results. It was suggested that the influence on the ions due to phonons and electrons may contribute to the Soret effect in cobalt."

Sterling Hewitt Named Foreman at Brown St.



Sterling R. Hewitt, formerly a Production Control Technician at Brown Street, has been promoted to Foreman of the Industrial Oils High Quality Assembly Department according

to a recent announcement by Frederick H. Potter, Factory Manager. Mr. Hewitt has been employed by Sprague Electric since 1952 when he joined the KVA Department as an Assembler. In 1953 he was made a Technician and has held positions in that field until his present promotion.

A native of North Adams, Mr. Hewitt attended the Briggsville School and Drury High School. Prior to entering the U.S. Marine Corps he was employed by Strong Hewat & Company as a Weaver. Following his service commitment he was employed by Greylock Express.

Irene Brooks, of North Adams. They have one son, Robert, a student at McCann Vocational Technical High School.

RECENT RETIREES

HALLICK BRIGGS, of Maintenance, retired on November 6, 1964 after 16 years of service with Sprague Electric.

FRED SUTHERS, of Metal Clad Assembly, retired on November 27, 1964 after 15 years of service with the Company.

HENRIETTA SENEAL, of Filters, completed 14½ years of service with Sprague Electric on December 4, 1964.

ERNEST GAMACHE, a Watchman, retired on December 6, 1964 after 16 years of service.

LAURENCE JOURDENNAIS, of Ceramics, completed his employment on December 31, 1964 after 15 years with the Company.

Continued on page 8, col. 4



Edward Provost, Jr. (right), of Engineering, proudly displays his certificate from the Metals Engineering Institute for successful completion of a course in Elements of Metallurgy. Raymond Stupek, Engineering, offers his congratulations.

Notice

1965 parking stickers are now available for Marshall Street employees. For your sticker, see Mrs. Bernadette Berti in the Industrial Relations Office. Stickers should be placed on the left rear window of your car.

When applying for your sticker, be sure to bring in your car registration.

In order to simplify the parking of automobiles, the following areas have been designated for Marshall Street employees:

Marshall Street Lot
Production Personnel
Holden Street Lot (West Side)
Engineering, Office & Research Personnel
Holden Street Lot (East Side)
Engineering, Office & Research Personnel
Rear of Research Center
Research Personnel
River Street Lot
Production, Engineering, Research & Office Personnel

Company Sponsorship Continues To Aid Ambitious Students



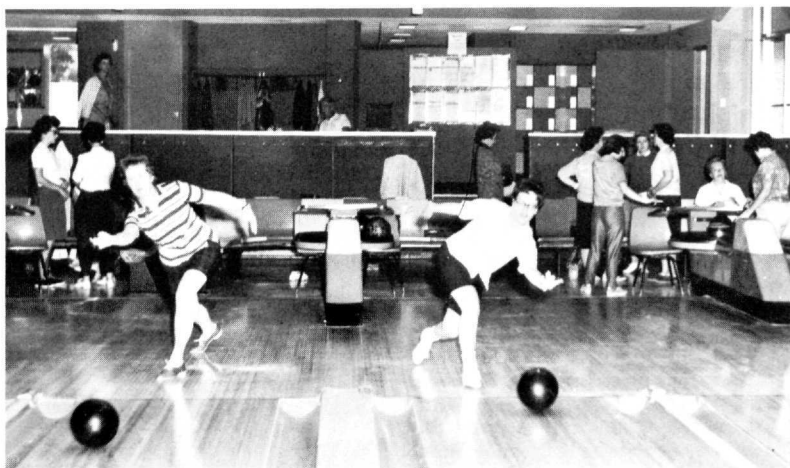
Joseph Moresi (left), Engineering, congratulates Clinton Hutchins (center) upon completion of a 4-year course in TV, Radio & Electronics and Advanced TV and Electronics. The Company-sponsored course was taken through the National Technical School. Courtney W. Flanders (right), Corporate Manager of Training, waits to extend his compliments.



Neil Tanguay, Beaver Street, smiles happily on receipt of his certificate from Alexander Hamilton Institute for successful completion of a 2-year course in Modern Business. On hand to extend congratulations are Alfred Bergeron, General Foreman, and Courtney W. Flanders.

SPORTS: SOFTBALL GOLF

by ROGER DELISLE BOWLING



Two outstanding bowlers in the Girl's Ten Pin League display their winning styles. Red Robinson (left) has high first half average of 165 and Chummy Roberts (right) has a high triple of 560, one pin less than Red's high of 561.

Basketball

Every Tuesday evening finds the Basketball League in full swing at the Greylock gym with a doubleheader performance. The League operates on a 15-game schedule with the play-off system still to be decided upon.

After nine weeks of action the R & E boys have a 7-2 record for a three game lead over the runners-up, Marshall Street and QAR. Tommy Petro is top scorer with 130 points and a 14.4 average.

STANDINGS

R & E	7 - 2
Marshall Street	4 - 5
QAR	4 - 5
Filters	3 - 6

Bowling

With February already upon us the bowling leagues have finished their first half schedules and are into the second half. In the Candlepin League fine scores have been turned in by Ceil Kudla with a 326 in the Girl's League and by Bob Andrews with a sensational 393 in the Men's League. In Ten Pin's, Red Robinson has a high triple of 561 for the girls, while Ron Dean tops the men bowlers with a fine 650 score.

Girl's Candlepin

Final First Half

	Won	Lost
Fay's Team	80	32
Spacettes	76	36
LCC	74	38
Western Electric	70	42
Odd Balls	56	56
Joettes	53	59
Navy QAR	52	60
Rockettes	51	61
Marshmallows	28	84
Jets	20	92

High Single - Ceil Kudla, 120

High Triple - Ceil Kudla, 326

High Average - Ceil Kudla, 103

Men's Candlepin

Final First Half

Clorinol	48	12
Paint Shop	47	13
Wave Filters	47	13
Untouchables	41	19
Western Electric	37	23

Control Lab	31	29
Combine	27	33
KVA	25	35
Sheetmetal	24	36
Microcircuits	12	48
Pipe Shop	11	49
B & M	9	51
High Triple - Bob Andrews, 393		
High Single - Bob Andrews, 153		

Ten Pin Standings

Girl's League

Final First Half

	Won	Lost
Nicolettes	108	28
R & E	107	29
Seven Ups	94	42
Corporettes	93	43
Metal Clad	84	52
QAR	78	58
IBM	76	60
Leftovers	72	64
Sprague Keys	66	70
Kingpins	60	76
Clorettes	60	76
Fabmika	58	78
Tenpins	58	78
Filterettes	56	80
Magnetics	46	90
Mix Ups	44	92
Alley Kats	32	104
Beat Les	32	104

High Single - Karlene Morin, 230

High Triple - Red Robinson, 561

High Average - Red Robinson, 165

Men's Independent

Standings in Second Half

	Won	Lost
Instrument Operations	6	2
Autonetics	6	2
Electric Shop*	5	3
Western Electric	5	3
Methods	4	4
Shipping	4	4
BSE	4	4
Beaver Machine	4	4
Control Lab	4	4
SPD	3	5
QCT	2	6
Plating	1	7

*Winners of First Half

High Single -

Mel Beaudin, Aime Thibert - 246

High Triple - Ron Dean, 650

High Average -

George Forgea, Frank Raby - 182



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GOLF LEAGUE APPLICATION

The 1965 Men's and Women's Golf Leagues will both start in May. All employees interested in playing in either League must indicate on the application below whether they will play as a regular or an alternate. All new members will be added to the alternate list.

Name..... Plant.....

Regular..... Alternate..... Phone Number.....

Women's League: Mail applications to Florence Clough, Brown Street.

Men's League: Mail to Cal Walker, Research Center, Marshall Street.

Men's Ten Pin

Standings in Second Half

	Won	Lost
Rebs	7	1
Minutemen	6	2
Ceramics	6	2
Patents	5	3
Fizz Chem	5	3
Systems	4	4
Engineering Services	4	4
Beaver Engineering	4	4
Ceracircuits	3	5
CIR*	2	6
SCD	1	7
Alley Kats	1	7

*First half winners

High Single - Rudy Verderber, 257

High Triple - Pete Esposito, 257

High Average - George Allen, 184

Recent Retirees

Continued from page 7

JOSEPHINE PIANTONI, of Cover Molding, retired on December 31, 1964 after 11½ years with Sprague Electric.

MAISIE FOLEY, of Filters, left active service on January 8 after 14 years of service.

GEORGE PARRINO, of Retail Sales, completed his duties on January 15 after 8 years with the Company.

LUCILLE BEAUDRY, of Bathtub Assembly, retired from Sprague Electric on January 29 after 22 years.

MABEL O'GRADY, of Filters, retired on January 29 after 14 years of service.

EDITH ROYAL, of SubMiniature Dry Assembly, left active employment on January 29, after 17 years with Sprague Electric..

A Lonely Visitor



No doubt completely frightened by the excitement his arrival caused, a lone mallard duck dropped into the Marshall Street courtyard one day recently. Having difficulty gaining altitude in flight, he nevertheless managed to elude his captors and was last seen in the parking lot behind the Research Center.